



Enhancing Customer Value Through Tivoli Portfolio Consolidation and Enhancements to Value-Based Pricing

Overview

To further enhance IBM Tivoli® software as essential Business Impact Management tools, the Tivoli product line is being consolidated to provide greater value and simplify the complexity of IT management. These enhancements leverage the powerful solutions for which Tivoli is well known, combining their value according to customer's needs. Current products are being repackaged into fewer, more logical, solution-oriented offerings. No products are being abandoned.

Consolidation — The products are grouped to reflect their function:

- Performance and Availability Management
- Configuration and Operations Management
- Security Management
- Storage Management

Passport Advantage Program: To increase the ease of doing business with IBM, the majority of Tivoli products will now be available exclusively through the IBM Passport Advantage program. Passport Advantage provides the most flexible and cost-effective way for organizations to take advantage of IBM software business solutions and is Tivoli's primary offering program.

Enhanced Value-Based Pricing

Model: By providing better alignment between technology management costs and the value actually delivered to your organization, the improvements to the Value-Based Pricing model allow you to manage your infrastructure simply and cost effectively.

Key Prerequisites

The prerequisites for these products may be found in the Software Announcements listed in the **Reference Information** section.

Planned Availability Date

April 12, 2002

Most products in this announcement will be available for downloading from Passport Advantage on the planned availability date. Media and documentation for some products will be available on a later schedule.

For additional information, refer to the **Planned Availability Dates Details** section.

At a Glance

The consolidation of Tivoli products, combined with Enhanced Value-Based Pricing, gives you:

- Simplified product selection and ordering
- Simplified estimation of charges
- Simplified server definition by selecting processor types for distributed servers and IBM @server zSeries servers
- More price granularity with per-processor pricing
- Steeper discounts, through Passport Advantage, aggregates all IBM software under a common volume purchasing program

The Tivoli Solution Portfolio

Configuration & Operations

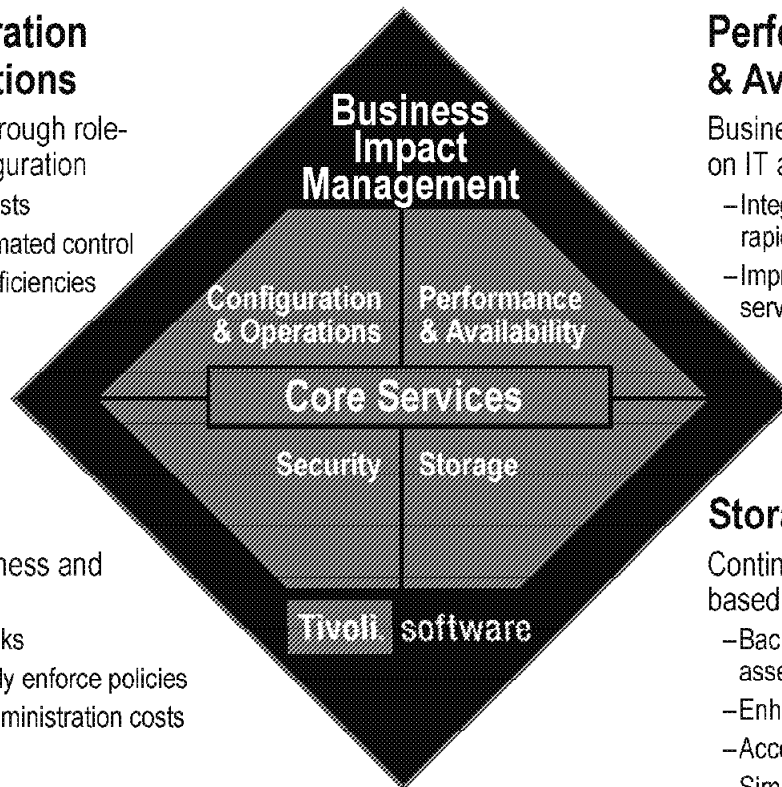
Efficiency through role-based configuration

- Reduce costs
- Gain automated control
- Improve efficiencies

Security

Align e-business and security

- Mitigate risks
- Consistently enforce policies
- Reduce administration costs



Performance & Availability

Business success dependent on IT availability

- Integrated best practices for rapid ROI
- Improve ROI with predictive service level management

Storage

Continuance through policy-based automation

- Backup & recover information assets
- Enhance business continuity
- Accelerate ROI
- Simplify storage management

IBM Tivoli products continue to excel by offering solutions in the following areas:

- Performance and Availability — Taking systems management from reactive to proactive while helping to reduce costs and increase competitive advantage.
- Configuration and Operations — Helping to enable enterprise customers to reduce cost, gain automated control of e-business infrastructure and improve productivity through effective change and configuration management, and job scheduling.
- Security — Helping to remove many of the security inhibitors to exploiting e-business, helping organizations deploy e-business initiatives quickly while mitigating security risks, consistently enforcing security and privacy policies, and reducing security administration costs.
- Storage — Helping to ensure availability of business applications while driving improved return on storage management investment, by providing superior data protection and intelligent policy-based resource utilization that can scale with business needs.

IBM Tivoli software is designed to help you manage complexity in a dynamic e-business environment, while you meet the goals of maximizing return on technology investments, and providing a secure, highly available e-business infrastructure. IBM Tivoli software is designed to provide increased business value with leading

management solutions for performance and availability, configuration and operations, security, and storage.

Two significant improvements to IBM Tivoli software are now available. First, the IBM Tivoli portfolio of systems management products is being realigned to help meet your needs more effectively. Products that manage the same functional area of your environment, such as managing the Web or measuring transaction response time, are being combined into a single product offering. Over time, functional integration, simplification of installation processes, and new enhancements will add to the power of newly combined products.

Secondly, the IBM Tivoli support offerings are being consolidated to achieve consistency with IBM's Software Maintenance available through Passport Advantage. As a result, Tivoli Select support is being withdrawn. For IBM Tivoli products offered outside of Passport Advantage, Tivoli Standard support, Tivoli Standard-24 support, and Tivoli Extended support will now provide the same terms and conditions as IBM Software Maintenance. This aligns Tivoli offerings with other IBM software offerings. Refer to "New Terms and Conditions for Selected Tivoli Products Ordered via Program Number", in Software Announcement 202-060, dated March 12, 2002.

Tivoli products are grouped to reflect their function:

- Performance and Availability Management
- Configurations and Operations Management
- Security Management
- Storage Management

IBM Tivoli Performance and Availability Portfolio

The IBM Tivoli performance and availability portfolio enables enterprise customers to simplify management of their e-business infrastructure with an easy to use, integrated management ecosystem to optimize return on their e-business investment.

Previous Product Name	Current Product Name	Action
Tivoli Monitoring	IBM Tivoli Monitoring V5.1 IBM Tivoli Monitoring Active Directory Option	New name New price model New release
Tivoli Manager for Exchange	IBM Tivoli Manager for Exchange V2	New name New price model
Tivoli Management Solution for Exchange	IBM Tivoli Management Solution for Exchange	New name New price model
Tivoli Manager for Microsoft™ SQL	IBM Tivoli Manager for Microsoft SQL V1.3	New name New price model
Tivoli Management Solution for Microsoft SQL	IBM Tivoli Management Solution for Microsoft SQL	New name New price model
Tivoli Manager for Sybase	IBM Tivoli Manager for Sybase	New name New price model
Tivoli Application Performance Management Tivoli Web Services Manager	IBM Tivoli Monitoring for Transaction Performance V1.7	New name New price model
Tivoli Manager for WebSphere® Application Server	IBM Tivoli Monitoring for Web Infrastructure	Previewed
Tivoli Manager for DB2® Tivoli Manager for Informix Tivoli Manager for Oracle	IBM Tivoli Monitoring for Databases	Previewed
Tivoli Manager for SAP R/3 Tivoli Manager for Siebel	IBM Tivoli Monitoring for Applications	Previewed
Tivoli Manager for MQSeries® Integrator Tivoli Manager for MQSeries	IBM Tivoli Monitoring for Business Integration	Previewed
Tivoli Manager for Domino™ Tivoli Management Solution for Domino	IBM Tivoli Monitoring for Messaging and Collaboration V5.1	Previewed
(New product)	IBM Tivoli Monitoring for Security and Edge Services V5.1	Previewed
Tivoli Enterprise™ Console	IBM Tivoli Enterprise Console V3.7	New name New price model
Tivoli NetView	IBM Tivoli NetView V7.1.1 and V7.1.2	New name New price model
(New product)	IBM Tivoli Switch Analyzer	New product

Tivoli NetView Performance Monitor	IBM Tivoli NetView Performance Monitor V2.7	New name
Tivoli NetView Performance Monitor for TCP/IP	IBM Tivoli NetView for TCP/IP Performance V1.4	New name
Tivoli Business Systems Manager	IBM Tivoli Business Systems Manager V1.5 IBM Tivoli Business Systems Manager for z/OS™ V1.5	Split into 2 products New names New price model
(New product)	IBM Tivoli Service Level Advisor	New product
Tivoli Web Services Analyzer IBM WebSphere Site Analyzer	IBM Tivoli Web Site Analyzer V7.1	New name New price model
Tivoli Decision Support		No change

The IBM Tivoli performance and availability portfolio is an integrated family of products that provides a comprehensive and scalable solution for centralized management of e-business operations that span Web, client-server, and host environments. Organizations can define, measure, and manage to committed service levels across complex heterogeneous environments from centralized control points. This allows e-businesses to enjoy increased productivity, operational efficiencies, and leverage the IT infrastructure to achieve business objectives.

This announcement includes a simplified structure for the performance and availability management portfolio. Realignment under Passport Advantage (PA) ensures a flexible and cost-effective way for organizations to take advantage of IBM Tivoli management solutions.

Tivoli simplifies performance and availability management with consolidated offerings around three layers:

1. Monitoring

Return on investment is achieved through operational efficiencies associated with automatic identification, notification, and cure of problems and potential problems at the resource level. Resources such as systems, middleware, applications, and transactions are monitored and managed.

2. Event Correlation and Automation

Return on investment is achieved through operational efficiencies associated with automated identification, notification, and cure of problems and potential problems that span multiple resources. The event correlation and automation layer helps simplify the complexity of cross domain e-business solutions.

3. Business Impact Management

Return on investment is achieved by aligning IT management with business objectives, by defining, measuring, and managing to committed service levels from one central control point across heterogeneous Web, client-server, and host environments. The sets of resources that deliver specific IT services, business applications, and business processes are managed in the context of their business role.

Other IBM Tivoli performance and availability offerings, not a part of this announcement, continue to provide additional solution coverage.

Monitoring Layer

IBM Tivoli Monitoring V5.1

IBM Tivoli Monitoring V5.1 lets you apply pre-configured, best practices out of the box to automate the task of monitoring essential system resources. This product incorporates cutting-edge technology to help you detect bottlenecks and potential problems, and to automatically recover from critical situations to maintain performance and availability while helping to eliminate the need for system administrators to manually scan through extensive performance data.

IBM Tivoli Monitoring V5.1 includes support for operating systems such as IBM AIX® and Windows® with a rapid deployment installation program that can help Tivoli customers realize quick time to value. Additionally, IBM Tivoli Monitoring V5.1, coupled with the “IBM Tivoli Monitoring for ...” products, will provide the foundation for additional monitoring of business-critical hardware and software including middleware, applications, and databases.

Finally, IBM Tivoli Monitoring V5.1 provides tight integration with our other availability solutions, including IBM Tivoli Business Systems Manager for z/OS V1.5 and IBM Tivoli Enterprise Console V3.7.1, to provide an end-to-end availability solution.

IBM Tivoli Monitoring Active Directory Option

To add to the functionality of IBM Tivoli Monitoring V5.1, Tivoli is also introducing the IBM Tivoli Monitoring Active Directory Option. IBM Tivoli Monitoring Active Directory Option is a chargeable add-on that focuses specifically on managing and monitoring Microsoft's™ Active Directory. For many enterprises, Active Directory is an essential application used to organize, manage and locate resources throughout departments, geographies, and entire companies.

Some of the key Microsoft Active Directory management and monitoring capabilities contained in IBM Tivoli Monitoring Active Directory Option include:

- Active Directory Domain Controllers

- Domain controller availability
- Domain controller performance
- Active Directory Replication
 - Intrasite replication
 - Intrasite replication performance
 - Intersite replication
 - Intersite replication performance
 - File replication service performance
- Domain Name Services (DNS)
 - DNS server performance
- Dynamic Host Configuration Protocol (DHCP)
 - DHCP performance

IBM Tivoli Manager for Exchange V2

IBM Tivoli Manager for Exchange V2 can help ensure the performance and availability of Microsoft Exchange V5 servers by monitoring resources, managing events, and automating routine tasks. This product utilizes the Tivoli management processes to provide system monitoring, event management, policy-based management, software distribution to clients, and automated tasks for Exchange servers.

The primary objective is to collect information from preset and user-defined monitors that can help identify potential problems before they occur. When monitoring thresholds are crossed, events are triggered that send information to IBM Tivoli Enterprise Console V3.7.1 where correlation and corrective action can be taken. This solution integrates with, and relies upon, the IBM Tivoli Monitoring for Web Infrastructure environment for a complete system management solution for the Exchange environment.

IBM Tivoli Management Solution for Exchange

IBM Tivoli Management Solution for Exchange is a monitoring solution that can help to increase the performance and availability of a Microsoft Exchange environment. The primary objective is to provide routine, consistent monitoring and to anticipate and correct problems before customer performance is degraded. The product also provides historical and real-time reports to assist with problem diagnosis and assessment of compliance with service level objectives.

In order to provide rapid time to value IBM Tivoli Management Solution for Exchange provides a set of best practices and preset thresholds which can enable you to get up and running very quickly. The product also allows users to go beyond preset thresholds and monitors to customize monitors using an intuitive user interface. This product is a stand-alone product that does not require other IBM Tivoli Monitoring solutions, but integrates with IBM Tivoli Enterprise Console V3.7.1 for correlation of events in a broader system management context.

IBM Tivoli Manager for Microsoft SQL V1.3

IBM Tivoli Manager for Microsoft SQL V1.3 product allows a database administrator to centrally and conveniently control hundreds of Microsoft SQL servers alone, or in a heterogeneous environment, from the Tivoli desktop. Through the use of the Tivoli management processes, IBM Tivoli Monitoring product, and (optionally) the IBM Tivoli Enterprise Console®, the IBM Tivoli Manager for Microsoft SQL V1.3 can deliver routine, consistent monitoring to help you anticipate and correct problems before database performance is degraded.

Through the use of the advanced security mechanisms, which are built into the Microsoft SQL server module, senior database administrators can securely and

confidently delegate routine administrative tasks to less experienced database administrators, workgroup administrators, and end users without giving up real control of the database environment. Also, automated tasks can be executed in response to monitored events and the IBM Tivoli Enterprise Console rules, allowing all of the database administrators to focus on more advanced administrative functions.

IBM Tivoli Management Solution for Microsoft SQL

IBM Tivoli Management Solution for Microsoft SQL helps to ensure performance and availability of Microsoft SQL databases. The product can provide routine, consistent monitoring which can help you anticipate and correct problems before system performance is degraded. The product also provides historical and real-time reports to assist with problem diagnosis and assessment of compliance with service level objectives.

In order to provide rapid time to value, IBM Tivoli Management Solution for Microsoft SQL provides best practices and preset thresholds to can enable you to get up and running very quickly. The product also can allow users to go beyond preset thresholds and monitors to customize monitors using an intuitive user interface. This product is a stand-alone product that does not require other IBM Tivoli Monitoring solutions, but integrates with the IBM Tivoli Enterprise Console for correlation of events in a broader system management context.

IBM Tivoli Manager for Sybase

IBM Tivoli Manager for Sybase helps to ensure the performance and availability of a Sybase database environment by providing a tool for routine, consistent monitoring. The primary objective is to collect information from preset and user defined monitors and probes that can help identify potential problems before they occur. When monitoring thresholds are crossed, events are triggered that send information to IBM Tivoli Enterprise Console where correlation and corrective action can be taken. This solution integrates with and relies upon the IBM Tivoli Monitoring environment for a complete system management solution for the Sybase environment.

IBM Tivoli Monitoring for Transaction Performance V1.7

IBM Tivoli Monitoring for Transaction Performance V1.7 can help to ensure the availability and performance of your e-business and enterprise transactions. This is achieved by measuring actual system response times, executing prerecorded transactions at regular intervals, and scanning your Web site for potential problems. With its unique, end-to-end approach to transaction performance management, IBM Tivoli Monitoring for Transaction Performance V1.7 can help benchmark and improve the quality of experience for your Web site visitors and enterprise customers. Advanced technology is used to trace user transactions in order to break down the total response time into its component parts, and to see the path that the transaction took through the infrastructure. A real-time Web-based interface provides a view of response times you are experiencing and a set of historical reports are available for longer term trend analysis. Response time or availability issues can be quickly identified and pro-active action can be taken to help ensure that your experience is not negatively impacted and a high satisfaction rate is maintained.

Future IBM Tivoli Monitoring Products: The “IBM Tivoli Monitoring for ...” are a new group of offerings that provide best practices for leading middleware and applications “out-of-the-box.” “Best practices” are the result of Tivoli’s blue-ribbon installed base of customers, and the experience of IBM Global Services providing

proven configurations, faster time to value, and easier deployment. These products will be based on, and require deployment of, IBM Tivoli Monitoring V5.1 as a prerequisite. They are planned to be available during 2002. They are described here to provide you with the latest information on Tivoli's plans and intentions. All information being released concerning future IBM Tivoli Monitoring products represents IBM's current intent, is subject to change or withdrawal without notice, and represents goals and objectives only.

IBM Tivoli Monitoring for Web Infrastructure

IBM Tivoli Monitoring for Web Infrastructure is designed to help ensure the availability and optimal performance on critical Web resources such as Web servers and Web application servers. These resources are primary elements of e-business infrastructure, often making them the foundation of mission-critical applications that require very high availability. If this infrastructure is unavailable or performing poorly, end-user productivity may decrease or may stop altogether. In the case of customer-facing applications, this may result in lost revenue or a poor impression of the company associated with the Web site. IBM Tivoli Monitoring for Web Infrastructure is a powerful tool which can help systems administrators ensure performance and availability of this critical infrastructure.

This product captures detailed status and performance metrics from the most commonly used Web infrastructure products, namely IBM WebSphere Application Server, IBM HTTP Server (Apache), Microsoft Internet Information Server, iPlanet Web Server, and BEA WebLogic Server. It then transforms this data into useful information for systems administrators by applying intelligence and delivering it via an intuitive GUI. The resulting performance and availability information is available via both real-time and historical reporting. This can allow administrators to view the health of their entire Web infrastructure and quickly identify and cure problems as they arise. Additionally, it serves as input for company-wide service level agreements and capacity planning.

IBM Tivoli Monitoring for Databases

IBM Tivoli Monitoring for Databases helps to ensure the availability and optimal performance of DB2, Oracle, and Informix servers.

Through the use of best practices incorporated within the product, a database administrator's dilemma of determining what to monitor, when to monitor, and how to interpret and act upon the monitor results is eliminated, leaving more time for the database administrators to focus on more complex and less repetitive tasks. The primary objective is to provide routine, consistent monitoring and to anticipate and correct problems before database performance and customer confidence is degraded.

All data captured by the databases is delivered through an intuitive user interface and made available through historical and near real-time reports. The product provides an out-of-the-box set of monitors that are built on best practices expertise for quick deployment and activation. Custom monitors, thresholds, and tasks can also be defined, by the database administrators.

Through the implementation of IBM Tivoli Monitoring for Databases, database administrators can expect to be alerted when key performance and resource allocation problems are detected.

IBM Tivoli Monitoring for Applications

IBM Tivoli Monitoring for Applications is comprised of several components that monitor and manage a specific application area. It is targeted specifically at supporting leading enterprise resource planning (ERP) and customer relationship management (CRM) applications. In this release, the product will support the SAP and Siebel applications.

Support for SAP is designed to manage SAP's mySAP.com e-business platform, focusing on proactive management and reporting of all key architecture components such as Web Application Servers, R/3, mySAP applications, and the new Portal Server. Systems availability encompasses systems availability and end-user transaction performance. The SAP solution from Tivoli is designed to provide rapid discovery of trouble spots long before they affect availability and throughput. In addition to a set of intelligent resource models around the described components, rules will be provided which can cover cross-system correlation. This provides you with a comprehensive solution embracing many components within SAP's mySAP.com technology strategy, while covering many necessary functions from basic availability up to full-throttle Service Level Agreement (SLA) Management.

A set of best practices with pre-configured settings for production operation offers potential for both rapid deployment and quick time to value. The tight integration with SAP's monitoring architecture also allows Tivoli customers to leverage: (a) SAP monitoring infrastructure investments and (b) customer modifications out-of-the-box. In addition, the SAP component is enabled for context-sensitive links into all required help facilities, such as the SAP service market place, internal help repositories, and a direct access to the SAP management transactions. The result is a solution with industry proven best practice expertise which can enable you to standardize and optimize operation processes in your SAP environment.

Support for Siebel eBusiness applications can enable you to manage your Siebel application throughout the enterprise, all from a centralized console. The product can provide increased availability and performance of your customer relationship management (CRM) application. By effectively managing the key Siebel eBusiness application components, this Tivoli offering helps enable high availability and proactive management necessary to help you meet the CRM goals you want to achieve for your employees and the customers they serve. In addition, IBM Tivoli Monitoring for Applications' centralized, automated, and proactive management of your Siebel environment is accomplished as a part of your overall IT structure. This can assist you in meeting your goals of reducing deployment and operation costs, and achieving a better overall time-to-value ratio.

IBM Tivoli Monitoring for Business Integration

IBM Tivoli Monitoring for Business Integration manages message queuing and integration middleware as an integral component of larger business systems — linking its management to databases, applications, and other middleware products spanning host and distributed systems. It can provide IT managers with the information they need to help them understand the business-level impact of this middleware availability and performance. Host and distributed systems can be managed from the same desktop so systems administrators learn only one tool.

From a central console, the solution can automatically discover the objects across the network and distribute pre-configured monitors to those objects. The

comprehensive out-of-band monitoring collection can help ensure high availability and performance of all the resources and applications relying on this message-oriented middleware. The intuitive user interface and near real-time reports and graphics provide at-a-glance status of objects. Historical data serves as input for service-level agreements and capacity planning.

IBM Tivoli Monitoring for Messaging and Collaboration V5.1

As part of an integrated e-business infrastructure management solution, IBM Tivoli Monitoring for Messaging and Collaboration V5.1 provides the monitoring tools which can help improve performance, availability, and administration of Lotus® Domino servers. This product may improve your return on investment by helping to reduce the cost of server administration, and providing IT managers with the information they need to measure and respond to their service level objectives.

Following an intuitive installation process, this product can provide auto discovery of the servers to be monitored, and configuration, and distribution of best practices resource models — providing monitoring, data collection for reporting and graphing, event notification, and automated actions which can help to ensure the performance and availability of an e-business' critical messaging and collaboration infrastructure.

IBM Tivoli Monitoring for Security and Edge Services V5.1

IBM Tivoli Monitoring for Security and Edge Services V5.1 is part of comprehensive Tivoli application management environment that leverages the benefits of common interfaces, data storage, and reporting capabilities.

IBM Tivoli Monitoring for Security and Edge Services V5.1 is designed to provide two key benefits to any enterprise operating in today's competitive business environment. First, it helps to enable you to manage the extended enterprise. It does this by providing quick and reliable data transmissions for internal and external transactions with robust security features. Second, it permits user roles and security policies to be extended and validated throughout an organization.

IBM Tivoli Monitoring for Security and Edge Services V5.1 can also manage the complexity of modern computing environments. It helps simplify the secure management of users, applications, and devices. It is designed to help strengthen the overall security associated with desktop users, dial-in users, and external e-commerce users. Finally, it can extend the interoperability of systems and users across an entire enterprise.

Event Correlation and Automation Layer

IBM Tivoli Enterprise Console V3.7.1

IBM Tivoli Enterprise Console V3.7.1 is an enterprise event management system that receives events from monitoring devices throughout the environment (both Tivoli and non-Tivoli), analyzes these events in the context of all other known events (correlation) and can then perform the appropriate response or notification based on this analysis. Events are also displayed on a consolidated console where they can be filtered, sorted, and examined according to job responsibilities and personal preferences.

IBM Tivoli Enterprise Console V3.7.1 is designed to help you improve service availability and reduce your support costs by automatically guiding support personnel to the underlying causes of critical system problems, thereby accelerating diagnosis and resolution. In many cases,

IBM Tivoli Enterprise Console V3.7.1 can perform the action or correction automatically. By helping to eliminate confusion, misdiagnosis and wasted effort, IBM Tivoli Enterprise Console V3.7.1 can enable fewer support staff to handle larger environments; furthermore, the support staff may not need to be as skilled or experienced because the analysis and diagnosis is pre-programmed into the system.

The IBM Tivoli Enterprise Console V3.7.1 offering will include IBM Tivoli NetView V7.1.2. This combination provides powerful, integrated network and systems management in one product and serves as the integration point for IBM Tivoli Switch Analyzer. Either IBM Tivoli Enterprise Console V3.7.1 or IBM Tivoli NetView V7.1.2, also announced today and available on May 31, 2002, is required to run IBM Tivoli Switch Analyzer.

IBM Tivoli NetView V7.1.1

IBM Tivoli NetView V7.1.1 is a network management solution that can enable users to discover TCP/IP networks, display network topologies, correlate and manage events and simple network management protocol (SNMP) traps, monitor network health, and gather performance data. Using "SmartSets," collections of user-defined groups, IBM Tivoli NetView V7.1.1 can manage beyond the level of device availability, allowing you to develop a management solution based on the entire business system. IBM Tivoli NetView V7.1.1 supports distributed implementation to help provide maximum flexibility and scalability, and is integrated with other IBM Tivoli systems management applications for unified systems and network management. IBM Tivoli NetView V7.1.1 enables management of mission-critical environments, large and small, with the following functions and capabilities:

- Auto-discovers TCP/IP network devices
- Builds collections for management of critical business systems
- Measures availability and provides fault isolation for problem control and management
- Maintains device inventory for asset management
- Offers network management for a broader range of people from any location (platform independence) via the Java™ console
- Reports on network trends and analysis
- Offers a flexible, scalable, distributed management solution

IBM Tivoli NetView V7.1.2, also announced today and available on May 31, 2002, serves as the integration point for IBM Tivoli Switch Analyzer. Either IBM Tivoli NetView V7.1.2, or IBM Tivoli Enterprise Console V3.7.1 which will include IBM Tivoli NetView V7.1.2, are required to run IBM Tivoli Switch Analyzer. IBM NetView V7.1.2 and IBM Tivoli Enterprise Console V3.7.1, announced today, are available on March 31, 2002.

IBM Tivoli Switch Analyzer

IBM Tivoli Switch Analyzer is a Layer-2 Switch network management root-cause component of a comprehensive network management solution. IBM Tivoli Switch Analyzer can enable network administrators to identify whether a network failure is the cause, and thus helps network administrators to focus resources on resolving the problems and not the symptoms. IBM Tivoli Switch Analyzer:

- Provides automated Layer-2 discovery.
- Identifies the relationship between devices, including Layer-2 and Layer-3 devices.
- Can identify the root cause of a problem without human intervention. During a network event storm, it can filter out extraneous events to help correlate to the true cause of the problem.
- Can perform correlation to determine whether the root cause is an IP addressable interface or a non-IP addressable port/card/blade in a Layer-2 LAN switch.

IBM Tivoli Switch Analyzer extends problem resolution to include Layer-2 or LAN switches, thus helping to maximize current investments by monitoring network infrastructures.

IBM Tivoli Switch Analyzer integrates into the IBM Tivoli solutions through IBM Tivoli NetView V7.1.2 and requires that IBM Tivoli NetView V7.1.2 be installed. IBM Tivoli NetView V7.1.2 is available as either a stand-alone product or as part of IBM Tivoli Enterprise Console V3.7.1, and will be available in either product on March 31, 2002. (Note: The existing Tivoli Enterprise Console product does not include the Tivoli NetView product, and thus is not capable of handling NetView events without it.)

IBM Tivoli NetView Performance Monitor V2.7

IBM Tivoli NetView Performance Monitor monitors, records, and interactively reports network communication, performance, and utilization. Through a Java-based GUI, IBM Tivoli NetView Performance Monitor can provide a real-time analysis of traffic flow, response times, and bottlenecks. It furnishes tools for network tuning and problem determination for both SNA- and TN3270-based networks.

IBM Tivoli NetView for TCP/IP Performance V1.4

The IBM Tivoli NetView for TCP/IP Performance V1.4 is a system application that monitors, records, and interactively reports communications network performance and utilization for TCP/IP. It can provide the timely analysis of traffic flow, transit times, and component use needed for network tuning and problem determination. IBM Tivoli NetView for TCP/IP Performance V1.4 can help you meet not only the tactical needs of today, but also the needs of tomorrow by combining power of the enterprise servers with the flexibility and ease of use of a PC workstation client. It provides an effective way to gain control of mission-critical TCP/IP network traffic, performance issues, and workload distributions. It can both interface with IBM Tivoli NetView for z/OS V5.1, allow automation with IBM Tivoli Workload Scheduler V8.1, as well as other critical elements in your z/OS environment.

Business Impact Management Layer

IBM Tivoli Business Systems Manager V1.5

IBM Tivoli Business Systems Manager V1.5, IBM's availability and performance flagship product, takes IT resource management to the next level, the business system level. A business system could potentially consist of multiple applications across multiple systems and networks. IBM Tivoli Business Systems Manager V1.5 can allow users to quickly create business system views, using drag and drop technologies which, when combined with the auto-discovery features of Tivoli application management products, means a quick deployment with a rapid return on investment.

IBM Tivoli Business Systems Manager V1.5 consolidates events from a wide range of Tivoli, IBM, and Independent System Vendors' (ISV) products into a context that can accurately reflect the state of your business. With this business systems focus, actions can be prioritized based on their impact to your business. IBM Tivoli Business Systems Manager V1.5 helps enable you to take proactive action before outages impact your bottom line.

IBM Tivoli Business Systems Manager for z/OS V1.5

IBM Tivoli Business Systems Manager for z/OS V1.5 takes IT resource management to the next level, the business system level. A business system can consist of one or more applications across multiple systems and networks that span both host and distributed hardware devices. IBM Tivoli Business Systems Manager for z/OS V1.5 allows users to quickly create business system views (enterprise application integration), using drag and drop technologies which, when combined with the auto-discovery features of Tivoli Ready/Tivoli Application Management products, means a quick deployment with a rapid return on investment. Customers of Tivoli performance and availability products, such as IBM Tivoli Monitoring V5.1, IBM Tivoli Enterprise Console V3.7.1, and IBM Tivoli NetView for z/OS may gain additional value from IBM Tivoli Business Systems Manager for z/OS V1.5 since it provides "out-of-the-box" integration with these products.

IBM Tivoli Business Systems Manager for z/OS V1.5 consolidates events from a wide range of Tivoli, IBM, and ISV products into a context that can accurately reflect the state of your business. With this business systems focus, actions can be prioritized based on their impact to your business. IBM Tivoli Business Systems Manager for z/OS V1.5 can help enable you take proactive action before outages impact your bottom line.

IBM Tivoli Service Level Advisor

IBM Tivoli Service Level Advisor is a new IBM Tivoli performance and availability product that provides business impact management. This product can help simplify the process of defining service offerings according to the terms of a service level agreement (SLA), and associating these services with your environment. It can then help automate validation of the SLAs, with end-to-end correlation of any monitored component's pre-stored metrics. It can provide immediate alerts, and historical reports of SLA violations and trends toward violations, which helps enable providers of IT services to proactively manage the IT infrastructure, and maintain high levels of customer satisfaction.

IBM Tivoli Service Level Advisor helps providers of IT services to leverage their existing investments in application and performance monitoring tools to help assure service levels. It interfaces with the following IBM Tivoli products:

- IBM Tivoli Business Systems Manager for z/OS V1.5
- IBM Tivoli Enterprise Console V3.7.1
- IBM Tivoli Monitoring for Transaction Performance V1.7
- IBM Tivoli Monitoring V5.1

IBM Tivoli Service Level Advisor can help providers of IT services reduce their costs by having rapid installation, an intuitive GUI, auto-discovery of service elements, and automatic correlation of service level metrics. This can help to improve consistency of service delivery and to reduce the time to create SLA reports.

IBM Tivoli Web Site Analyzer V4.1

IBM Tivoli Web Site Analyzer V4.1 analyzes historical Web activity data and identifies patterns and trends of Web server usage, traffic, and visitor behavior. The product also provides correlation of Web server usage and traffic data with your response-time metrics (collected from the IBM Tivoli Monitoring for Transaction Performance V1.7 quality-of-service monitoring component), which can help IT administrators to optimize their Web resources and plan Web server capacity.

IBM Tivoli Configuration and Operations Portfolio

The IBM Tivoli configuration and operations portfolio enables enterprise customers to reduce cost, gain automated control of e-business infrastructure, and improve productivity through efficient change and configuration management, and job scheduling.

Previous Product Name	Current Product Name	Action
Tivoli Workload Scheduler	IBM Tivoli Workload Scheduler V8.1	New name New price model
Tivoli Workload Scheduler for non-Tivoli Tivoli Workload Scheduler for Oracle Tivoli Workload Scheduler for PeopleSoft Tivoli Workload Scheduler for SAP R/3	IBM Tivoli Workload Scheduler for Applications V8.1	Combine and package New name New price model
Tivoli Software Distribution Tivoli Software Distribution for Linux Tivoli Inventory	IBM Tivoli Configuration Manager V4.1	Combine and package New name New price model
Tivoli Remote Control	IBM Tivoli Remote Control V3.7.1	New name New price model
Tivoli Self-Service Terminal Manager		No change
Tivoli Point of Sale Manager		No change
Tivoli Smart Handheld Device Manager		No change
Tivoli Data Exchange		No change

IBM Tivoli Configuration and Operations offerings manage a variety of systems including distributed and host servers, workstations, mobile clients, pervasive devices and more. These offerings address customer needs in two major areas:

- **Change and Configuration Management**

Change and configuration management has historically been, and continues to be, a strong focus area for Tivoli that has yielded improved efficiencies for thousands of enterprise customers. The change and configuration management portfolio designed to help deliver customer value along several dimensions:

- Rapidly and efficiently deploying complex mission-critical applications to multiple locations from a central control point
- Helping to reduce cost through efficient planning and implementation of technology changes by providing a comprehensive catalog of hardware and software assets
- Providing remote management of systems to help achieve higher first call resolution and significantly reduce the need to dispatch IT technicians.

- **Job Scheduling**

Job scheduling is also a priority solution area for Tivoli. Scheduling is an integral capability when operating a robust e-business infrastructure. Tivoli's

scheduling solution is designed to provide value to customers by helping to:

- Increase system control and production capacity
- Extend the scope of centralized workload management
- Reduce the need for workload management skills at remote locations

Industry-leading configuration and operations solutions offer a compelling reason for enterprise customers to turn to IBM Tivoli software for their management needs. Current releases of this software portfolio deliver competitive capabilities which can help you reduce costs and gain control over your increasingly complex e-business infrastructures. Together, this portfolio of products provides robust server management that is scalable across tens of thousands of various endpoint clients.

IBM Tivoli Workload Scheduler V8.1

IBM Tivoli Workload Scheduler V8.1 is the production automation solution for managing workloads in today's complex computing environments. IBM Tivoli Workload Scheduler V8.1 schedules, coordinates, and automates mission-critical application execution across the enterprise, helping to ensure consistent and reliable operations. IBM Tivoli Workload Scheduler V8.1's underlying architecture can help to ensure that business

and mission-critical applications run within an infrastructure that is fault-tolerant, is scalable, and has robust security features. From a single point of control, it supports multiple platforms, from mainframes to UNIX® to Windows, and, when used in conjunction with IBM Tivoli Workload Scheduler for Applications V8.1, it has advanced integration with enterprise applications like SAP R/3, Oracle applications, and PeopleSoft.

IBM Tivoli Workload Scheduler V8.1 can help you plan and organize virtually every phase of workload production. IBM Tivoli Workload Scheduler V8.1's production control programs manage the production environment and automate most operator activities. It can help prepare your jobs for execution, resolve interdependencies, and launch and track each job. Because your jobs begin as soon as their dependencies are satisfied, idle time can be minimized and throughput can be improved significantly. Jobs never run out of sequence, and, if a job fails, IBM Tivoli Workload Scheduler V8.1 is designed to handle the recovery process with little or no operator intervention. You can use Tivoli Workload Scheduler to help you:

- Increase system control, ease of use, and production capacity
- Extend scope of centralized workload management
- Reduce the need for workload management skills at remote locations
- Provide a significant contribution toward unattended operations

IBM Tivoli Workload Scheduler for Applications V8.1

IBM Tivoli Workload Scheduler for Applications V8.1 delivers integrated scheduling for SAP R/3, Oracle, and PeopleSoft applications. This tightly integrated solution helps you coordinate business-critical application tasks across core enterprise applications.

IBM Tivoli Configuration Manager V4.1

Designed for full-cycle deployment and configuration management capability, IBM Tivoli Configuration Manager V4.1 focuses on deploying and managing software on an enterprise scale. IBM Tivoli Configuration Manager V4.1 can be a key solution if you need to rapidly and efficiently deploy complex mission-critical or desktop productivity applications to multiple locations from a central point.

IBM Tivoli Configuration Manager V4.1 is designed to ease software deployment and configuration management in large distributed networks by helping you to:

- Provide a centralized software management system for homogeneous or heterogeneous enterprises
- Facilitate a superior software package preparation
- Distribute files to systems simultaneously throughout your enterprise
- Support full automation of the software distribution and installation process
- Support mobile users to distribute and install software when convenient to their needs
- Improve remote distribution and enhancing scalability in large enterprises
- Discover and maintain up-to-date hardware and software asset information
- Collect scanned inventory data simultaneously throughout your enterprise
- Facilitate inventory scan customizations by allowing you to specify when to scan and what to scan for
- Support wake-on-LAN technology

IBM Tivoli Remote Control V3.7.1

IBM Tivoli Remote Control V3.7.1 is the industry's enterprise scale remote control product. Enterprise scale remote control means complete real-time remote control, the ability to quickly establish connections when there are thousands of potential targets, the ability to control not just desktop systems but distributed applications, and an enterprise-class security model to help protect against abuse.

IBM Tivoli Remote Control V3.7.1 is vital in helping desktop support call centers to achieve the following goals:

- Effectively support thousands of desktop users
- Improve first call success rates, reducing escalation to second level support
- Reduce the need for dispatching technicians
- Ensure success via improved diagnosis when technicians are dispatched
- Shave precious minutes off of average call times
- Reduce repeat calls by educating end users while resolving problems

IBM Tivoli Security Portfolio

The IBM Tivoli security management portfolio enables e-business by helping businesses get their users online and productive faster, deploy their e-business initiatives faster, and lower their security administration costs while mitigating the security risks inherent to e-business today. This is accomplished through the consistent management and enforcement of e-business security and privacy policies.

Previous Product Name	New Product Name	Action
Tivoli Identity Director	IBM Tivoli Identity Manager V1.1.1 New release	New name New price model
Tivoli Policy Director Tivoli Policy Director for Application Servers	IBM Tivoli Access Manager for e-business V3.9	New name New price model New release
Tivoli Policy Director for MQSeries	IBM Tivoli Access Manager for Business Integration V3.8.1	New name New price model New release
Tivoli Policy Director for Operating Systems ¹	IBM Tivoli Access Manager for Operating Systems V3.8	New name New price model New release
Tivoli Risk Manager	IBM Tivoli Risk Manager V3.8	New name New price model
Tivoli Privacy Manager		No Change
Tivoli Public Key Infrastructure		No Change
Tivoli Intrusion Manager		No Change
Tivoli Global Sign-On		No Change
IBM Firewall for AIX and NT		No Change

¹ Tivoli Policy Director for Operating Systems was previously available within Tivoli Security Manager and is now available as a stand-alone product called IBM Tivoli Access Manager for Operating Systems V3.8.

Withdrawn from Marketing Replacement Product

Tivoli Security Manager's Provisioning Capability

UNIX Security Enforcement

IBM Tivoli Access Manager for Operating Systems

The IBM Tivoli security management portfolio is an integrated family of products that provides a comprehensive and scalable solution for centralized security management and access control. IBM Tivoli security management provides a single interface for maintaining security profiles and policies across heterogeneous applications and systems in mainframe, distributed, and desktop environments. This allows e-businesses to increase productivity and customer satisfaction while lowering costs.

This announcement includes a simplified structure for the IBM Tivoli security management portfolio and the realignment under Passport Advantage to help ensure a flexible and cost-effective way for organizations to take advantage of IBM software business solutions.

The IBM Tivoli security management portfolio provides the following critical security management capabilities:

- Identity Management
 - Helps businesses get their users online and productive faster by automating the process of

provisioning users and their resources, and integrating them with business processes

- Access Management
 - Helps businesses to rapidly and cost-effectively deploy e-business initiatives through a single sign-on to Web resources and out-of-the-box security integration with applications
- Threat Management
 - Provides security risk mitigation and efficient security policy compliance through a central management console for monitoring, viewing, and managing security alerts across the e-business
 - Assists risk assessment through event consolidation and correlation

Other IBM Tivoli Security offerings, not a part of this announcement, continue to provide coverage for a variety of additional topics including privacy, firewall, and enterprise single sign-on.

Identity Management

IBM Tivoli Identity Manager V1.1.1

With IBM Tivoli Identity Manager V1.1.1, administrators can enable users to become productive online by automating the processes for creating and managing users, as well as provisioning the appropriate resources according to business processes and policies. Customer productivity and satisfaction is also enhanced through Web-based self-service interfaces for common help desk tasks such as password resets and account management. Additionally, administrators can perform single-action management of user definitions and access control for different systems and applications from a single interface. The user and access definitions, set centrally, are then propagated to all endpoints (operating systems and applications) automatically. IT organizations can delegate management of user subgroups to different administrators, and even to the end users themselves. IBM Tivoli Identity Manager V1.1.1 integrates the process of management of identities into various business processes, including:

- User changes
- Automatic registration
- Subscription to services
- Application access
- Password management
- Directory information management

Access Management: The IBM Tivoli Access Manager offerings provide a compatible set of three solutions for end-to-end integrated application security. Each of these offerings can be implemented independently of one another, or they can share infrastructure and data for the consolidated management of security policies for Web and application resources, MQSeries resources, and UNIX operating system resources.

IBM Tivoli Access Manager for e-business V3.9

IBM Tivoli Access Manager for e-business V3.9 is an end-to-end integrated security platform solution for e-business that delivers:

- Web Single Sign-On and customer secure session management capability both within an enterprise and across business affiliates
- Secure application platform capabilities to integrate common, policy-based security into business applications, such as Customer Relationship Management (CRM), business-to-business and business-to-commerce portals, e-commerce, and Web application servers
- Scalability, high availability, and performance to support millions of users
- Flexible Web-based distributed administration and multi-level delegation capabilities to business units and affiliates

IBM Tivoli Access Manager for Business Integration V3.8.1

IBM Tivoli Access Manager for Business Integration V3.8.1 is a security solution for IBM MQSeries. It provides:

- Access control services to restrict which applications can open an MQSeries resource and then “put” or “get” messages on specific queues.
- Centralized definition of authorization and data protection for MQSeries resources across your

enterprise. Business-to-business (B2B) environments can also be supported.

- Protection of MQSeries data as it sits in a queue and as it flows across a network from server to server.
- Implementation of security features that should not require changes in MQSeries applications.
- Setting of a specific quality of protection policy that can be enforced on each message. Quality of protection options include three choices: none, message integrity, or privacy.

IBM Tivoli Access Manager for Operating Systems V3.8

IBM Tivoli Access Manager for Operating Systems V3.8 is a sophisticated access control enhancement to UNIX and Linux operating systems. It includes:

- Significant access control capability over native UNIX/Linux security, including access controls on file systems, TCP/IP services, and use of the “su command”
- Controls that apply to all users, including root, to partition administrative roles and rights
- Consistent policy definition across AIX, Solaris, HP-UX, and Linux
- Significant additional auditing capabilities over that provided by the operating system
- Designation of specific programs and files as “trusted”, such that they can only be replaced by authorized users

Threat Management: IBM Tivoli threat management offerings provide management with the analysis and reports required to make informed decisions, pinpoint vulnerabilities for refining security policies, and allow businesses to understand risks and take appropriate action. The products address the needs of operations, auditors, and senior management, and enable system administrators to identify different types of threats and attacks using advanced correlation techniques. Additionally, the products enable organizations to integrate multi-vendor applications and security devices to obtain comprehensive analysis and alerting.

IBM Tivoli Risk Manager V3.8

IBM Tivoli Risk Manager V3.8 is an open, centralized, scalable, and process-oriented approach to intrusion detection and security management. It can improve business operations by helping to assure that the corporate infrastructure is protected from threats, so that security risks can be minimized to avoid large potential losses. IBM Tivoli Risk Manager V3.8 is a feature-rich solution that is designed to leverage the Tivoli infrastructure and meet the needs of a larger environment.

IBM Tivoli Storage Portfolio

IBM Tivoli storage portfolio ensures availability of business applications while driving improved return on storage management investment. It provides superior data protection and intelligent policy-based resource utilization that scales with business needs. IBM Tivoli storage software ensures that the data storage hardware you have today approaches the storage capabilities of tomorrow.

Previous Product Name	Current Product Name	Action
Tivoli Storage Manager	IBM Tivoli Storage Manager V5.1	New price model New version
Tivoli Storage Manager Tivoli Disaster Recovery Manager Tivoli Space Manager Tivoli Data Protection for NDMP	IBM Tivoli Storage Manager Enterprise Edition V5.1	New price model New name New version
Tivoli Data Protection for Lotus Domino Tivoli Data Protection for Microsoft Exchange	IBM Tivoli Storage Manager for Mail V5.1	New price model New name New version
Tivoli Data Protection for Informix Tivoli Data Protection for Oracle Tivoli Data Protection for Microsoft SQL	IBM Tivoli Storage Manager for Databases V5.1	New price model New name New version
Tivoli Data Protection for WebSphere Application Server	IBM Tivoli Storage Manager for Application Servers V5.1	New price model New name New version
Tivoli Data Protection for EMC for Oracle Tivoli Data Protection for EMC for R/3 Tivoli Data Protection for ESS for Databases Tivoli Data Protection for ESS for R/3	IBM Tivoli Storage Manager for Hardware V5.1	New price model New name New version
Tivoli Data Protection for R/3	IBM Tivoli Storage Manager for Enterprise Resource Planning V5.1	New price model New name New version
Tivoli Storage Network Manager		No change
Tivoli SANergy™		No change

Tivoli storage software reduces your storage failures and data losses from a crisis to a nuisance. Tivoli storage software enables your SAN to share data just like your LAN. Tivoli storage software maximizes your storage capacity. Tivoli storage software simplifies your understanding and automates the administration of your storage. And finally Tivoli storage software stretches your storage equipment budget. In all these ways, Tivoli storage software increases the reliability, performance, capacity, simplicity, and affordability of your data storage, to maximize your time and investment and keep your organization running efficiently.

IBM Tivoli Storage Management is insurance for your data. If a disk drive fails, IBM Tivoli Storage Manager V5.1 can restore your lost data from available backups. If you accidentally delete a file, IBM Tivoli Storage Manager V5.1 can bring it back. If your entire operation

is hit by a disaster, IBM Tivoli Storage Manager V5.1 can keep your data safe. IBM Tivoli Storage Manager V5.1 insures your data by copying active online data to offline and offsite storage, even from 24x365 applications. But that's not all. If your data growth exceeds your storage capacity, IBM Tivoli Storage Manager V5.1 can effectively extend your capacity. IBM Tivoli Storage Manager V5.1 moves inactive data from online storage to less expensive offline or nearline storage. Like the perfect employee, IBM Tivoli Storage Manager V5.1 automates and centralizes all these functions, making reports, and providing alerts for unusual events. IBM Tivoli Storage Manager V5.1 can backup the data on any number of computers running any of more than a dozen different operating systems from laptops to mainframes. IBM Tivoli Storage Manager V5.1 is a comprehensive data protection application.

IBM Tivoli Storage Manager V5.1

IBM Tivoli Storage Manager V5.1 distinguishes itself from all competitive data protection products by its scope of services including extensive and flexible management, customizable and complete automation, broad cross-platform and storage device support, and smart data-transfer and store technologies. These capabilities, and many others, allow IBM Tivoli Storage Manager V5.1 to scale up to manage, administer, and automate data protection for organizations of any size. The base IBM Tivoli Storage Manager V5.1 provides these two important data protection functions:

- **Backup/Restore**

Complete data protection starts with data “backups.” Backups are a copy of your active online data stored on offline storage. Should an online storage device fail, a data error occur, or someone accidentally delete a file, the offline copy of that data can be copied back to online storage — “restored.” IBM Tivoli Storage Manager V5.1 is famous for its extremely efficient backup methods. IBM Tivoli Storage Manager V5.1 uses multiple techniques to reduce data transfer sizes to the minimum possible. These techniques reduce the total time required for both data backups and more importantly, data restores.

- **Archive/Retrieve**

IBM Tivoli Storage Manager V5.1 goes beyond just data backups to include data archiving. Until online storage is as inexpensive as offline storage, archiving inactive data is an effective way to reduce your online storage costs. The cost of storing a gigabyte of data on online storage is typically thirty times more expensive than the same gigabyte on offline storage. Some percentage of your data is “inactive” — it hasn’t been accessed in weeks if not months. Does that inactive data need to remain on expensive online storage? IBM Tivoli Storage Manager V5.1 will move that inactive data to offline storage freeing up online disk space for more important active data. Should you find that the inactive data you archived must be used again, IBM Tivoli Storage Manager V5.1 will retrieve that data for you.

IBM Tivoli Storage Manager Enterprise Edition V5.1

IBM Tivoli Storage Manager Enterprise Edition V5.1 builds upon the base IBM Tivoli Storage Manager V5.1 backup and archive functions to produce a completely integrated data protection solution that fits the requirements of the largest computer enterprises. IBM Tivoli Storage Manager Enterprise Edition V5.1 includes LAN-free disk-to-tape and LAN-free disk-to-disk, SAN-enabled data transfers. IBM Tivoli Storage Manager Enterprise Edition V5.1 also adds advanced tape library sharing and Network Data Management Protocol (NDMP) backup and restore for Network Appliance NAS Filers. Additionally, IBM Tivoli Storage Manager Enterprise Edition V5.1 comes complete with the following two important capabilities:

- **Disaster Preparation and Recovery**

Complete data protection also involves disaster preparation and recovery. Local copies of data will protect against discrete failures or errors in equipment, storage, or people. But disasters tend to happen to entire facilities, not just a portion of the equipment inside those facilities. IBM Tivoli Storage Manager Enterprise Edition V5.1 has a variety of methods that will prepare an additional copy of your active data for safekeeping at an offsite location to provide that extra level of protection against disasters. Additionally, IBM Tivoli Storage Manager Enterprise

Edition V5.1 prepares and keeps up to date, a text file containing detailed recovery steps and computer-scripts called the “recovery plan.” Should a disaster strike and destroy your online storage and computers, the offsite copy of your active data can be restored to new computers by following this plan to get your business up and running quickly.

- **Hierarchical Storage Management**

IBM Tivoli Storage Manager Enterprise Edition V5.1 also includes a more automated version of “archive” called Hierarchical Storage Management. Like archiving, Hierarchical Storage Management removes data from online storage and puts it on less expensive offline storage. But unlike an archive, Hierarchical Storage Management leaves a “data stub” on online storage that shows the name of the removed file. With this stub, you can easily access the offlined data — albeit limited by the speed of the offline storage devices. IBM Tivoli Storage Manager V5.1’s Hierarchical Storage Management capabilities are automated. IBM Tivoli Storage Manager V5.1 will “watch” online data files to see how often they are used. If not opened for an administrator-specified length of time, they will be removed to offline storage leaving only the data stub behind. For many businesses with huge amounts of data, but not all of it needed online all the time, Hierarchical Storage Management is a great way to save on storage costs.

IBM Tivoli Storage Manager for ... Products

These offerings provide near 24x365 business-critical application protection.

Some of today’s most business-critical application programs must remain on and active 24 hours a day for 365 days a year. Fortunately, the manufacturers of some of these important programs understand the need for data protection. Some applications have a built-in capability to control external data protection applications. By directly controlling the time and method by which a data transfer to offline storage occurs, the application can continue operating with little or no interruption. IBM Tivoli Storage Manager V5.1 has optional modules that directly link many of these important programs with the centralized data protection capabilities of IBM Tivoli Storage Manager V5.1.

IBM Tivoli Storage Manager for Mail V5.1

IBM Tivoli Storage Manager for Mail V5.1 complements IBM Tivoli Storage Manager V5.1 to help protect Lotus Domino and Microsoft Exchange data — no matter where it is in your network or how it’s stored. It supports incremental and full backup as online (hot) backup and exploits the backup certified utilities and interfaces provided by Lotus Domino and Microsoft Exchange. This maximizes the protection of the data and the performance of the backups and restores.

IBM Tivoli Storage Manager for Databases V5.1

IBM Tivoli Storage Manager for Databases V5.1 complements IBM Tivoli Storage Manager V5.1 to help protect Informix, Oracle, and MS SQL data — no matter where it is in your network or how it’s stored. It supports incremental and full backup as online (hot) backup and exploits the backup certified utilities and interfaces provided by Informix, Oracle, and MS SQL. This maximizes the protection of the data and the performance of the backups and restores.

IBM Tivoli Storage Manager for Application Servers V5.1

IBM Tivoli Storage Manager for Application Servers V5.1 works in conjunction with IBM Tivoli Storage Manager

V5.1 server to help safeguard the WebSphere Application Server environment, without disrupting the availability of the application. It offers reproducible backup and restore of WebSphere Application Server environments, including the WebSphere administration database, configuration data, and deployed application program files. Changes to the WebSphere environment, such as the addition of applications, are automatically detected and included in the backup to help keep backup data up to date.

IBM Tivoli Storage Manager for Hardware V5.1

IBM Tivoli Storage Manager for Hardware V5.1 helps protect your mission-critical databases which require 24 x 7 availability. It offers exciting new options to implement high-efficiency backup of business-critical applications, while virtually eliminating backup-related performance impact on the production host. This is done by integrating IBM's Enterprise Storage Server™ FlashCopy function with IBM Tivoli Storage Manager V5.1 and its database protection capabilities for Oracle, R/3, and DB/2. Likewise, EMC Symmetrix's TimeFinder integrates with IBM Tivoli Storage Manager V5.1 and its protection capabilities for Oracle and R/3.

IBM Tivoli Storage Manager for Enterprise Resource Planning V5.1

IBM Tivoli Storage Manager for Enterprise Resource Planning V5.1 protects your vital SAP R/3 system data. This product works directly with IBM Tivoli Storage Manager V5.1 to provide data backup and recovery in heterogeneous environments. This powerful solution enables SAP R/3 system administrators to manage — more efficiently, consistently and reliably — the large volumes of data involved in system operations.

Conversion of Licenses and Support to the Consolidated Portfolio

If you have Tivoli Support and/or Passport Advantage Software Maintenance currently in effect for a Tivoli products, you are entitled to eligible new versions and updates of the corresponding IBM Tivoli products, which become available during your coverage period. Refer to the table below.

You may use all of the components of the eligible new versions and updates up to the level of use for which you are authorized, subject to the terms applicable to the respective Tivoli products. For example, if you are currently authorized for 1,000 Tivoli Management Points for Tivoli Software Distribution, with Tivoli Support or Passport Advantage Software Maintenance currently in effect, you are entitled to use all components of the new IBM Tivoli Configuration Manager V4.1 on the number and combination of servers, clients, and/or devices currently covered by your authorized level of use of 1,000 Tivoli Management Points, subject to the IBM Program License Agreement (IPLA) and the applicable License Information document.

Customers with Tivoli Support in effect outside of Passport Advantage (that is, on 5698-SPT) will be contacted separately by IBM with information regarding the migration of their existing Tivoli Support to Passport Advantage and its conversion to the Enhanced Value-Based Pricing Model.

Customers may also contact IBM to request this migration to Passport Advantage and the related conversion to the Enhanced Value-Based Pricing Model.

Those customers who already have Passport Advantage Software Maintenance in effect for Tivoli products may convert to the Enhanced Value-Based Model at the time

of the next renewal (that is, the next anniversary), or upon request if an earlier conversion is desired.

The 5698-xxx product IDs included in the table below are for reference only. Other product IDs and part numbers (such as some 5697-xxx products) may also be migrated. Contact your IBM representative for further information.

Product Positioning

Tivoli Support/Software Maintenance Entitlement Table

IBM Tivoli Performance and Availability Portfolio

Current Tivoli Product	Corresponding IBM Tivoli Product
Tivoli Distributed Monitoring (5698-EMN)	IBM Tivoli Monitoring V5.1 IBM Tivoli Monitoring Active Directory Option
Tivoli Manager for Exchange (5698-EXC)	IBM Tivoli Manager for Exchange V2
Tivoli Management Solution for Exchange (5698-MSE)	IBM Tivoli Management Solution for Exchange
Tivoli Manager for Microsoft SQL (5698-MSS)	IBM Tivoli Manager for Microsoft SQL V1.3
Tivoli Management Solution for Microsoft SQL (5698-MSQ)	IBM Tivoli Management Solution for Microsoft SQL
Tivoli Manager for Sybase (5698-SYB)	IBM Tivoli Manager for Sybase
Tivoli Application Performance Manager (5698-APM) Tivoli Web Services Manager (5698-TWS)	IBM Tivoli Monitoring for Transaction Performance V1.7
Tivoli Enterprise Console (5698-EAS)	IBM Tivoli Enterprise Console V3.7.1
Tivoli NetView (5698-NVW)	IBM Tivoli NetView V7.1.1 IBM Tivoli NetView V7.1.2
NetView Performance Monitor (5698-NPM)	IBM Tivoli NetView Performance Monitor
NetView Perform Monitor for TCP/IP (5698-PMI)	IBM Tivoli NetView for TCP/IP Performance V1.4
Tivoli Business Systems Manager (5698-BSM)	IBM Tivoli Business Systems Manager V1.5
Tivoli Business Systems Manager (5698-BSM)	IBM Tivoli Business Systems Manager for z/OS V1.5
Tivoli Web Services Analyzer (5698-TWA) IBM WebSphere Site Analyzer	IBM Tivoli Web Site Analyzer V4.1

IBM Tivoli Configuration and Operations Portfolio

Tivoli Workload Scheduling (5698-WKB)	IBM Tivoli Workload Scheduler V8.1
Tivoli Workload Scheduler for Oracle (5698-WSO)	IBM Tivoli Workload Scheduler for Applications V8.1
Tivoli Workload Scheduler for PeopleSoft (5698-WSP)	
Tivoli Workload Scheduler for SAP R3 (5698-WSS)	
Tivoli Workload Scheduler for non-Tivoli (5698-WSN)	
Tivoli Software Distribution (5698-SWD)	IBM Tivoli Configuration Manager V4.1
Tivoli Inventory (5698-INV)	
Tivoli Software Distribution for LINUX (5799-SWD)	
Tivoli Remote Control (5698-RCL)	IBM Tivoli Remote Control V3.7.1

IBM Tivoli Security Portfolio

Tivoli Identity Director (5698-TID)	IBM Tivoli Identity Manager V1.1.1
Tivoli Security Management for S/390®	
Tivoli Policy Director (5698-PDD)	IBM Tivoli Access Manager for e-business V3.9
Tivoli Policy Director for Application Servers (5698-PDA)	
Tivoli Policy Director for MQSeries (5698-PDM)	IBM Tivoli Access Manager for Business Integration V3.8.1
Tivoli Security Manager — UNIX Security Enforcement	IBM Tivoli Access Manager for Operating Systems V3.8
Tivoli Risk Manager (5698-RMG)	IBM Tivoli Risk Manager V3.8

IBM Tivoli Storage Portfolio

Tivoli Storage Manager (5698-TSM) Base server (#1685 or #1686)	IBM Tivoli Storage Manager V5.1
Managed System for LAN (#1683 or #1684)	
Managed System for LAN (#1683 or #1684)	
Managed Library	
Tivoli Storage Manager (5698-TSM) with: Base server (#1685 or #1686) and any of the following: Managed System for SAN (#1679 or #1680) Tape Library Sharing (#1687 or #1688)	IBM Tivoli Storage Manager Enterprise Edition V5.1
Space Manager (5698-SPM)	
Data Protection for NDMP (5698-DPA)	
Disaster Recovery Manager (5698-DRM)	
Data Protection for Lotus Domino (5698-DPD)	IBM Tivoli Storage Manager for Mail V5.1
Data Protection for Exchange (5698-DPX)	
Data Protection for Informix (5698-DPI)	IBM Tivoli Storage Manager for Databases V5.1
Data Protection for Oracle (5698-DPO)	
Data Protection for MS SQL (5698-DPS)	
Data Protection for WebSphere Application Server (5698-DPW)	IBM Tivoli Storage Manager for Application Servers V5.1
Data Protection for EMC Symmetrix/Oracle (5698-EMO)	IBM Tivoli Storage Manager for Hardware V5.1
Data Protection for Symmetrix for R/3 (5698-EMR)	
Data Protection for IBM ESS for Database (5698-ESO)	
Data Protection for IBM ESS for R/3 (5698-ESR)	
Data Protection for R/3 (5698-DPR)	IBM Tivoli Storage Manager for Enterprise Resource Planning

Planned Availability Dates Details

Most products in this announcement will be available for downloading from Passport Advantage on April 12, 2002. Media and documentation for some products will be available on a later schedule. Refer to the table below for details.

Products that run on the zSeries systems will be fulfilled from the z/OS Customized Offerings. Refer to the table below for availability.

Planned Availability Dates

Description	Passport Advantage Download	Media and Documentation
IBM Tivoli Performance and Availability Portfolio		
IBM Tivoli Monitoring V5.1	April 26, 2002	April 26, 2002
IBM Tivoli Monitoring Active Directory Option	Non-English Languages: April 26, 2002	June 28, 2002 April 26, 2002
IBM Tivoli Manager for Exchange V2	April 12, 2002	April 12, 2002
IBM Tivoli Management Solution for Exchange	April 12, 2002	April 12, 2002
IBM Tivoli Manager for Microsoft SQL V1.3	April 12, 2002	April 12, 2002
IBM Tivoli Management Solution for Microsoft SQL	April 12, 2002	April 12, 2002
IBM Tivoli Manager for Sybase	April 12, 2002	April 12, 2002
IBM Tivoli Monitoring for Transaction Performance V1.7	April 12, 2002	April 12, 2002
IBM Tivoli Enterprise Console V3.7.1	May 31, 2002	May 31, 2002
IBM Tivoli NetView V7.1.1	April 12, 2002	April 12, 2002
IBM Tivoli NetView V7.1.2	May 31, 2002	May 31, 2002
IBM Tivoli Switch Analyzer	May 31, 2002	May 31, 2002
IBM Tivoli NetView Performance Monitor	April 12, 2002	April 12, 2002
IBM Tivoli NetView for TCP/IP Performance V1.4	April 26, 2002	April 26, 2002
IBM Tivoli Business Systems Manager V1.5	April 12, 2002	April 12, 2002
IBM Tivoli Business Systems Manager for z/OS V1.5	April 12, 2002	April 12, 2002
IBM Tivoli Service Level Advisor	April 12, 2002	April 12, 2002
IBM Tivoli Web Site Analyzer V4.1	April 12, 2002	April 26, 2002
IBM Tivoli Configuration and Operations Portfolio		
IBM Tivoli Workload Scheduler V8.1	April 12, 2002	April 12, 2002
IBM Tivoli Workload Scheduler Host Edition V8.1	April 12, 2002	April 12, 2002
IBM Tivoli Workload Scheduler for Applications V8.1	April 12, 2002	April 12, 2002
IBM Tivoli Configuration Manager V4.1	April 12, 2002	April 12, 2002
IBM Tivoli Remote Control V3.7.1	April 12, 2002	April 12, 2002
IBM Tivoli Security Portfolio		
IBM Tivoli Identity Manager V1.1.1	April 12, 2002	April 26, 2002
IBM Tivoli Access Manager for e-business V3.9	May 17, 2002	May 17, 2002
IBM Tivoli Access Manager for Business Integration V3.8.1	April 26, 2002	May 10, 2002

Planned Availability Dates

Description	Passport Advantage Download	Media and Documentation
IBM Tivoli Access Manager for Business Integration Host Edition V3.7.1	April 12, 2002	April 12, 2002
IBM Tivoli Access Manager for Operating Systems V3.8	April 26, 2002	April 26, 2002
IBM Tivoli Risk Manager V3.8	April 12, 2002	April 26, 2002
IBM Tivoli Storage Portfolio		
IBM Tivoli Storage Manager V5.1	April 12, 2002	April 12, 2002
IBM Tivoli Storage Manager Enterprise Edition V5.1	Non-English Languages: April 12, 2002	June 14, 2002 April 12, 2002
IBM Tivoli Storage Manager for Mail V5.1	Non-English Languages: April 12, 2002	June 14, 2002 April 12, 2002
IBM Tivoli Storage Manager for Databases V5.1	April 12, 2002	April 12, 2002
IBM Tivoli Storage Manager for Application Servers V5.1	April 12, 2002	April 12, 2002
IBM Tivoli Storage Manager for Hardware V5.1	April 12, 2002	April 12, 2002
IBM Tivoli Storage Manager for Enterprise Resource Planning V5.1	April 12, 2002	April 12, 2002

Euro Currency

These programs are not impacted by euro currency.

Statement of Direction

The following Tivoli products will be available during 2002:

- IBM Tivoli Monitoring for Web Infrastructure
- IBM Tivoli Monitoring for Databases
- IBM Tivoli Monitoring for Applications
- IBM Tivoli Monitoring for Business Integration
- IBM Tivoli Monitoring for Messaging and Collaboration
- IBM Tivoli Monitoring for Security and Edge Services

This information represents IBM's current intentions, goals and objectives, and is subject to change or withdrawal without additional or prior notice.

Reference Information

IBM Tivoli Performance and Availability Portfolio

- **IBM Tivoli Monitoring V5.1**

Refer to "Tivoli Distributed Monitoring Advanced Edition V4.1 — An Availability Solution for the IT Environment Adds Out-of-the-Box Best Practices Monitoring Capabilities for Linux and UNIX", Software Announcement 201-330, dated November 13, 2001.

Refer to "IBM Tivoli Monitoring and Monitoring Active Directory Option V5.1 — An End-to-End Availability Solution", Software Announcement 202-080, dated April 9, 2002.

- **IBM Tivoli Management Solution for Exchange**

Refer to "Tivoli Management Solution for Exchange V1.1 Offers Comprehensive Monitoring and

Management of Microsoft Exchange", Software Announcement 201-184, dated June 26, 2001.

- **IBM Tivoli Monitoring for Transaction Performance V1.7**

Refer to "Tivoli Web Services Manager V1.7 Includes Tivoli Application Performance Management; Tivoli Web Services Analyzer V1.7 Includes National Language Support", Software Announcement 201-353, dated December 4, 2001.

- **IBM Tivoli Monitoring for Web Infrastructure**

Refer to "IBM Tivoli Monitoring Solutions Deliver Superior Management for Key Middleware and Operating Systems", Software Announcement 202-079, dated April 9, 2002.

- **IBM Tivoli Monitoring for Databases**

Refer to "IBM Tivoli Monitoring Solutions Deliver Superior Management for Key Middleware and Operating Systems", Software Announcement 202-079, dated April 9, 2002.

- **IBM Tivoli Monitoring for Applications**

Refer to "IBM Tivoli Monitoring Solutions Deliver Superior Management for Key Middleware and Operating Systems", Software Announcement 202-079, dated April 9, 2002.

- **IBM Tivoli Monitoring for Business Integration**

Refer to "IBM Tivoli Monitoring Solutions Deliver Superior Management for Key Middleware and Operating Systems", Software Announcement 202-079, dated April 9, 2002.

- **IBM Tivoli Monitoring for Messaging and Collaboration V5.1**

Refer to “IBM Tivoli Monitoring Solutions Deliver Superior Management for Key Middleware and Operating Systems”, Software Announcement 202-079, dated April 9, 2002.

- **IBM Tivoli Monitoring for Security and Edge Services V5.1**

Refer to “IBM Tivoli Monitoring Solutions Deliver Superior Management for Key Middleware and Operating Systems”, Software Announcement 202-079, dated April 9, 2002.

- **IBM Tivoli Enterprise Console V3.7.1**

Refer to “Tivoli Enterprise Console V3.7 Offers Flexible and Scalable Event Management to Large IT Environments”, Software Announcement 200-328, dated September 26, 2000.

- **IBM Tivoli NetView V7.1.1**

Refer to “Tivoli NetView 7.1 Offers Enhanced Network Management Capabilities at Lower Cost”, Software Announcement 201-298, dated October 16, 2001.

- **IBM Tivoli Switch Analyzer**

Refer to “IBM Tivoli Switch Analyzer Helps you Identify the Root — Cause of the Problem (solve the problem not the symptom)”, Software Announcement 202-081, dated April 9, 2002.

- **IBM Tivoli NetView Performance Monitor V1.4**

Refer to “Tivoli NetView Performance Monitor V2.7 Includes Productivity Enhancements”, Software Announcement 202-008, dated January 15, 2002.

- **IBM Tivoli NetView for TCP/IP Performance V1.4**

Refer to “IBM Tivoli NetView for TCP/IP Performance 1.4 Maximizes z/OS System and Network Performance”, Software Announcement 202-083, dated April 9, 2002.

- **IBM Tivoli Business Systems Manager for z/OS V1.5**

Refer to “Tivoli Business Systems Manager V1R5 Expands the Command and Control of the IT Infrastructure”, Software Announcement 201-168, dated June 12, 2001.

- **IBM Tivoli Service Level Advisor**

Refer to “IBM Tivoli Service Level Advisor 1.1 Helps Enable Improved Service Level Management”, Software Announcement 202-086, dated April 9, 2002.

- **IBM Tivoli Web Site Analyzer V4.1**

Refer to “Tivoli Web Services Manager V1.7 Includes Tivoli Application Performance Management; Tivoli Web Services Analyzer V1.7 Includes National Language Support”, Software Announcement 201-353, dated December 4, 2001.

Refer to “IBM WebSphere Site Analyzer, V3.5 Adds Build to Order Support for AIX Users”, Software Announcement 201-028, dated February 6, 2001.

IBM Tivoli Configuration and Operations Portfolio

- **IBM Tivoli Workload Scheduler V8.1**

Refer to “Tivoli Workload Scheduler 8.1 Simplifies Workload Management on All Your Systems”, Software Announcement 201-305, dated October 23, 2001.

- **IBM Tivoli Workload Scheduler for Applications V8.1**

Refer to “Tivoli Workload Scheduler for R/3 V4.0”, Software Announcement 200-229, dated July 25, 2000.

Refer to “Tivoli Workload Scheduler and Unison Maestro”, Software Announcement 298-257, dated July 21, 1998.

- **IBM Tivoli Configuration Manager V4.1**

Refer to “Tivoli Software Distribution 4.1 and Tivoli Management Framework 3.7.1 Extend Your Enterprise Systems Management Capabilities”, Software Announcement 201-094, dated April 10, 2001.

Refer to “Tivoli Inventory 4.0 Provides A Cross-Platform Automated Solution for Inventory Management”, Software Announcement 201-135, dated May 1, 2001.

- **IBM Tivoli Remote Control V3.7.1**

Refer to “Tivoli Remote Control V3.7.1 Delivers Enhanced Function for Enterprise Networks”, Software Announcement 201-288, dated October 9, 2001.

IBM Tivoli Security Portfolio

- **IBM Tivoli Identity Manager V1.1.1**

Refer to “Tivoli Identity Director V1.1”, Software Announcement 201-291, dated October 9, 2001.

- **IBM Tivoli Access Manager for e-business V3.9**

Refer to “Tivoli SecureWay® Policy Director V3.8 Delivers a Security Management Solution for Large-Scale Secure e-commerce and Enterprise Deployments”, Software Announcement 201-272, dated September 25, 2001.

Refer to “Tivoli SecureWay Family of Security Products — Leading Technology for Management and Control of Your e-Business and IT Enterprise Security”, Software Announcement 200-105, dated April 25, 2000.

- **IBM Tivoli Access Manager for Business Integration V3.8.1**

Refer to “Tivoli Policy Director for MQSeries Version 3.8 Enhanced to Support S/390 and Java Applications”, Software Announcement 201-341, dated November 27, 2001.

- **IBM Tivoli Access Manager for Operating Systems V3.8**

Refer to “IBM Tivoli Access Manager for Operating Systems V3.8 — Manages and Extends Access Control to UNIX and Linux Systems”, Software Announcement 202-088, dated April 9, 2002.

- **IBM Tivoli Risk Manager V3.8**

Refer to “Tivoli Risk Manager V3.8 Protects Your IT Assets”, Software Announcement 201-276, dated September 25, 2001.

IBM Tivoli Storage Portfolio

- **IBM Tivoli Storage Manager V5.1**

Refer to “IBM Tivoli Storage Manager V5.1 Delivers Enhanced Disaster Recovery and Availability, with Value-Based Pricing Enhancements”, Software Announcement 202-078, dated April 9, 2002.

- **IBM Tivoli Storage Manager Enterprise Edition V5.1**

Refer to “IBM Tivoli Storage Manager V5.1 Delivers Enhanced Disaster Recovery and Availability, with Value-Based Pricing Enhancements”, Software Announcement 202-078, dated April 9, 2002.

- **IBM Tivoli Storage Manager for Mail V5.1**

Refer to “IBM Tivoli Storage Manager V5.1 Delivers Enhanced Disaster Recovery and Availability, with Value-Based Pricing Enhancements”, Software Announcement 202-078, dated April 9, 2002.

Refer to “IBM Tivoli Storage Manager V5.1 Delivers Enhanced Disaster Recovery and Availability, with Value-Based Pricing Enhancements”, Software Announcement 202-078, dated April 9, 2002.

- **IBM Tivoli Storage Manager for Application Servers**

Refer to “IBM Tivoli Storage Manager V5.1 Delivers Enhanced Disaster Recovery and Availability, with Value-Based Pricing Enhancements”, Software Announcement 202-078, dated April 9, 2002.

- **IBM Tivoli Storage Manager for Hardware V5.1**

Refer to “IBM Tivoli Storage Manager V5.1 Delivers Enhanced Disaster Recovery and Availability, with Value-Based Pricing Enhancements”, Software Announcement 202-078, dated April 9, 2002.

- **IBM Tivoli Storage Manager for Enterprise Resource**

Refer to “IBM Tivoli Storage Manager V5.1 Delivers Enhanced Disaster Recovery and Availability, with Value-Based Pricing Enhancements”, Software Announcement 202-078, dated April 9, 2002.

Important Related Announcements

- Refer to “Selected IBM Tivoli Products No Longer Orderable by Program Number — Products Remain Available through Consolidated Offerings”, Withdrawal Announcement 902-083, dated April 9, 2002.
- Refer to “IBM Tivoli Monitoring Solutions Deliver Superior Management for Key Middleware and Operating Systems”, Software Announcement 202-079, dated April 9, 2002.
- Refer to “New Terms and Conditions for Selected Tivoli Products Ordered via Program Number”, Software Announcement 202-060, dated April 9, 2002.
- Refer to “New IBM Directory Server 4.1 and Services Secure Your User and Resource Data”, Software Announcement 202-089, dated April 9, 2002.

Trademarks

zSeries is a trademark of International Business Machines Corporation.

The e-business logo, z/OS, SANergy, and Enterprise Storage Server are trademarks of International Business Machines Corporation in the United States or other countries or both.

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IBM US Announcement Supplemental Information

April 9, 2002

Education Support

Training is available for many Tivoli® products. Education is offered through IBM Education and Training, and through Tivoli Systems. Worldwide information about education offerings is available on the IBM Education and Training home page at:

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

For current information on Tivoli Systems education, call 512-436-8000, or visit the Tivoli Systems home page at:

<http://www.tivoli.com/services/education>

Offering Information

Product information will be available through Offering Information (OITool) at:

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

Publications

Licensed Documentation

For the IBM Tivoli NetView Performance Monitor product, the following licensed material will be available from IBM. To order, contact your IBM representative. The first copy is available at no charge to licensees of basic material and supplied automatically with the basic machine-readable material. Use feature number 8015 to order additional copies for a fee.

Title	Order Number
NPM Diagnosis	LY19-6381

Licensed and Unlicensed Documentation

The publications for all products in this announcement may be found in the Software Announcements listed in the **Reference Information** section.

The Publication Notification System (PNS) is available by order number/product number. Customers currently subscribing to PNS will automatically receive notifications by e-mail. Customers who wish to subscribe, can visit the PNS Web site location at:

<http://www.ibm.com/shop/publications/pns/>

The IBM Publications Center Portal:

<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, as well as payment options via credit card. Furthermore, a large number of publications are available online in various file formats, which can currently be downloaded, free of charge.

Note that PNS subscribers most often order their publications via the Publications Center.

Displayable Softcopy Publications: The displayable manuals for products in this announcement may be found in the Software Announcements listed in the **Reference Information** section. These displayable manuals can be used with Adobe Acrobat in any of its supported environments. Terms and conditions for use of the machine-readable files are shipped with the files.

Technical Information

Specified Operating Environment

Hardware Requirements: The hardware prerequisites for these products may be found in the Software Announcements listed in the **Reference Information** section.

Software Requirements: The software prerequisites for these products may be found in the Software Announcements listed in the **Reference Information** section.

Planning Information

Packaging

The products in this announcement are distributed with:

- International Program License Agreement (Z125-3301)
- License Information Document
 - GC23-4482 (for IBM Tivoli Availability and Performance products)
 - GC23-4480 (for IBM Tivoli Configuration and Operations products)
 - GC23-4479 (for IBM Tivoli Security products)
 - GC23-4478 (for IBM Tivoli Storage products)
- CD-ROM or 3480 tape

Security, Auditability, and Control

These programs 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.

This announcement is provided for your information only. For additional information, contact your IBM representative, call 800-IBM-4YOU, or visit the IBM home page at: <http://www.ibm.com>.

Ordering Information

New Licensees: Orders for new licenses for all IBM Tivoli products, except IBM Tivoli Switch Analyzer, will be accepted now. Orders for new licenses for IBM Tivoli Switch Analyzer will be accepted on April 23, 2002.

Shipment will begin on the planned availability date.

Ordering IBM Tivoli Products

The IBM Tivoli products announced include both products running on the z/OS™ or the OS/390® operating systems, as well as on distributed operating systems, such as AIX®, Microsoft™ Windows®, or Sun Solaris. All IBM Tivoli products in this announcement, both z/OS (including OS/390) and distributed, may be ordered under the Passport Advantage agreement. However, some IBM Tivoli products may also be ordered outside of Passport Advantage, using a product number designation, that is 5698-xxx.

Quantities for the IBM Tivoli products are specified by charge units which are measurement categories determined for each product. The charge units define the usage of the product within the customer's environment and are meant to be determinants of the value provided by the product to customer. One or more charge units are associated with each product. These charge units are:

- Processors managed by the product
- Clients managed by the product
- IBM @server zSeries processors managed by the product
- Processors in which the managing server is installed
- Network nodes managed by the product
- Ports managed by the product
- Tivoli Management Points (for Registered Users and MSU-based pricing)

The sections that follow describe the techniques to order IBM Tivoli products, both distributed and z/OS, using either the Passport Advantage or the product number ordering processes.

Software Maintenance: Software Maintenance is included with each product authorization acquired. Software Maintenance provides an easy and effective way by which you have access, during the coverage period, to eligible new versions and releases, and to remote technical support for your covered products.

The technical support included in Software Maintenance provides remote support during normal business hours in your country or location as well as access to escalation management 24 hours a day, 7 days a week, for mission-critical (severity 1) problems.

With Software Maintenance, you receive the following technical support benefits:

- Telephone access and/or electronic access via the Web to an IBM Customer Support Center.
- Support for routine, short duration installation and usage (how-to) questions, and code-related problems.

- Support during normal country business hours, namely prime shift hours, Monday through Friday, excluding national or statutory holidays.
 - Support for mission-critical (severity 1) problems during non-prime shift hours, namely all hours outside normal country business hours including national and/or statutory holidays.
 - Two hour response time objective during prime shift for voice and electronic submission. The response objective for critical/emergency problems during offshift is also two hours.
 - Access to hints, tips, and frequently asked questions.
 - Access to escalation management 24 hours a day, 7 days a week.
 - Open Authorized Technical Caller list to submit problems to IBM Support Centers on your behalf. Open to any number of technical specialists within your IS organization. Each caller must be registered through the IBM problem submission Web site in order to submit problems. Problem submission is handled by the Site Technical Contact as listed on the Passport Advantage enrollment form.
 - eCare for Software is an initiative designed to enhance your electronic support experience by providing the following advantages:
 - Single view of IBM distributed software that includes easy/integrated access to the following information and functions:
 - Marketing
 - Technical
 - Developer
 - Business Partner
 - IBM Services
 - Downloads
- <http://www.ibm.com/software/support>
- Comprehensive electronic (via the Web) self-help capabilities available 24 hours a day, 7 days a week
 - Advanced search capabilities
 - A single interface to the IBM problem submission/management system for IBM distributed software

Software Maintenance renewals offer you favorable pricing to continue your coverage without interruption.

Ordering IBM Tivoli Products via Passport Advantage

To order an IBM Tivoli distributed product under Passport Advantage, do the following:

- For each of the product's charge units, select a part number and specify the quantity desired for the license and maintenance support from the table, "Ordering a License and Maintenance via Passport Advantage".
- Media for products on distributed platforms may be downloaded, and/or you may select a media part number and, if applicable, a documentation pack part number from the table, "Ordering Media and Documentation via Passport Advantage".

Media for products on z/OS and OS/390 platforms are packaged and delivered via the z/OS Customized Offerings, that is, ServerPac, Systempac®, or the Custom Build Product Delivery Option (CBPDO). A Custom Build Registration part number is used to

designate this method of delivery. To order media and/or documentation for z/OS and OS/390 products, do the following:

- Specify the custom build registration part number from the table, "Ordering z/OS Customized Offerings via Passport Advantage".
- Select a media feature and select the custom build registration feature from the table, "Ordering Media Features for z/OS Customized Offerings".
- For each component's product number within the z/OS Customized Offerings Software Subscription and Annual Support Product (S&S), specify the z/OS support product number and select the support registration feature and the media feature from the table, "Ordering z/OS Customized Offerings Support".

Note: When an order for an IBM Tivoli z/OS is placed, an IBM country fulfillment representative will contact the customer's IBM representative to confirm the system details are complete and accurate.

Ordering a License and Maintenance via Passport

Advantage: Passport Advantage allows you to have a common anniversary date for Software Maintenance renewals, simplifying 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.

Note: There is no change in terms and conditions for products marked as "zRev" This designation is for IBM accounting and revenue recognition purposes only.

For each of the product's charge units, select a part number and specify the quantity desired for the license and maintenance support from the table below.

Program Name/Description	Part Number
IBM Tivoli Performance and Availability Portfolio	
IBM Tivoli Monitoring V5.1	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D50ZGLL
License and Maintenance to Second Anniversary	D50ZHLL
Maintenance Renewal to Anniversary Date	E008QLL
Maintenance after License to Anniversary Date	D50ZILL
Charge Unit: Processors	
zRev — License and Maintenance to First Anniversary	D50ZNLL
zRev — License and Maintenance to Second Anniversary	D50ZPLL
zRev — Maintenance Renewal to Anniversary Date	E008SLL
zRev — Maintenance after License to Anniversary Date	D50ZQLL
IBM Tivoli Monitoring Active Directory Option	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D515ELL
License and Maintenance to Second Anniversary	D515FLL
Maintenance Renewal to Anniversary Date	E00ALLL
Maintenance after License to Anniversary Date	D515GLL
IBM Tivoli Manager for Exchange V2	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D515ZLL
License and Maintenance to Second Anniversary	D5160LL
Maintenance Renewal to Anniversary Date	E00ASLL
Maintenance after License to Anniversary Date	D5161LL
IBM Tivoli Management Solution for Exchange	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D5137LL
License and Maintenance to Second Anniversary	D5138LL
Maintenance Renewal to Anniversary Date	E009ZLL
Maintenance after License to Anniversary Date	D5139LL
IBM Tivoli Manager for Microsoft SQL V1.3	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D5162LL
License and Maintenance to Second Anniversary	D5163LL
Maintenance Renewal to Anniversary Date	E00ATLL
Maintenance after License to Anniversary Date	D5164LL

Program Name/Description	Part Number
IBM Tivoli Management Solution for Microsoft SQL Charge Unit: Processors License and Maintenance to First Anniversary	D512ZLL
License and Maintenance to Second Anniversary	D5130LL
Maintenance Renewal to Anniversary Date	E009XLL
Maintenance after License to Anniversary Date	D5131LL
IBM Tivoli Manager for Sybase Charge Unit: Processors License and Maintenance to First Anniversary	D512JLL
License and Maintenance to Second Anniversary	D512KLL
Maintenance Renewal to Anniversary Date	E009LLL
Maintenance after License to Anniversary Date	D512LLL
IBM Tivoli Monitoring for Transaction Performance V1.7 Charge Unit: Processors License and Maintenance to First Anniversary	D50ZKLL
License and Maintenance to Second Anniversary	D50ZLLL
Maintenance Renewal to Anniversary Date	E008RLL
Maintenance after License to Anniversary Date	D50ZMLL
Note: Systems running a Synthetic Transaction Investigator player require 2 processor entitlements.	
IBM Tivoli Enterprise™ Console V3.7.1 Charge Unit: Processors License and Maintenance to First Anniversary	D510WLL
License and Maintenance to Second Anniversary	D510XLL
Maintenance Renewal to Anniversary Date	E0094LL
Maintenance after License to Anniversary Date	D510YLL
Charge Unit: Processors zRev — License and Maintenance to First Anniversary	D5111LL
zRev — License and Maintenance to Second Anniversary	D5112LL
zRev — Maintenance Renewal to Anniversary Date	E0095LL
zRev — Maintenance after License to Anniversary Date	D5113LL
Note: There is a minimum entitlement of 125 processors for IBM Tivoli Enterprise Console®. For managing non-IBM environments, 250 processor entitlements are required per environment.	
IBM Tivoli NetView V7.1.1 Charge Unit: Processors License and Maintenance to First Anniversary	D512WLL
License and Maintenance to Second Anniversary	D512XLL
Maintenance Renewal to Anniversary Date	E009WLL
Maintenance after License to Anniversary Date	D512YLL
Charge Unit: Network Nodes License and Maintenance to First Anniversary	D515NLL
License and Maintenance to Second Anniversary	D515PLL
Maintenance Renewal to Anniversary Date	E00APLL
Maintenance after License to Anniversary Date	D515QLL
Note: The processor charge for this product is for the server executing IBM Tivoli NetView and is required in addition to the Network Nodes Managed.	
IBM Tivoli Switch Analyzer Charge Unit: Processors License and Maintenance to First Anniversary	D515HLL
License and Maintenance to Second Anniversary	D515ILL
Maintenance Renewal to Anniversary Date	E00AMLL
Maintenance after License to Anniversary Date	D515JLL
Charge Unit: Ports License and Maintenance to First Anniversary	D515KLL
License and Maintenance to Second Anniversary	D515LLL
Maintenance Renewal to Anniversary Date	E00ANLL
Maintenance after License to Anniversary Date	D515MLL
Note: The processor charge for this product is for the server executing IBM Tivoli Switch Analyzer and is required in addition to the Ports managed.	
IBM Tivoli NetView Performance Monitor Charge Unit: Tivoli Management Points License and Maintenance to First Anniversary	D57BNLL
License and Maintenance to Second Anniversary	D57BXLL
Maintenance Renewal to Anniversary Date	E17FVLL
Maintenance after License to Anniversary Date	D57FYLL
Important Note: Refer to the zSeries MSU Table below.	

Program Name/Description	Part Number
IBM Tivoli NetView for TCP/IP Performance V1.4 Charge Unit: Tivoli Management Points License and Maintenance to First Anniversary License and Maintenance to Second Anniversary Maintenance Renewal to Anniversary Date Maintenance after License to Anniversary Date Important Note: Refer to the zSeries MSU Table below.	D57J4LL D57JFLL E17JILL D57M6LL
IBM Tivoli Business Systems Manager V1.5 Charge Unit: Processors License and Maintenance to First Anniversary License and Maintenance to Second Anniversary Maintenance Renewal to Anniversary Date Maintenance after License to Anniversary Date	D5149LL D514ALL E00A8LL D514BLL
IBM Tivoli Business Systems Manager for z/OS V1.5 Charge Unit: Tivoli Management Points License and Maintenance to First Anniversary License and Maintenance to Second Anniversary Maintenance Renewal to Anniversary Date Maintenance after License to Anniversary Date Important Note: Refer to the zSeries MSU Table below.	D5115LL D5116LL E0096LL D5117LL
IBM Tivoli Service Level Advisor Charge Unit: Processors License and Maintenance to First Anniversary License and Maintenance to Second Anniversary Maintenance Renewal to Anniversary Date Maintenance after License to Anniversary Date	D513ALL D513BLL E00A0LL D513CLL
IBM Tivoli Web Site Analyzer V4.1 Charge Unit: Processors License and Maintenance to First Anniversary License and Maintenance to Second Anniversary Maintenance Renewal to Anniversary Date Maintenance after License to Anniversary Date	D513MLL D513NLL E00A3LL D513PLL
IBM Tivoli Configuration and Operations Portfolio	
IBM Tivoli Workload Scheduler V8.1 Charge Unit: Processors License and Maintenance to First Anniversary License and Maintenance to Second Anniversary Maintenance Renewal to Anniversary Date Maintenance after License to Anniversary Date	D50ZSLL D50ZTLL E008TLL D50ZULL
IBM Tivoli Workload Scheduler Host Edition V8.1 Charge Unit: Tivoli Management Points License and Maintenance to First Anniversary License and Maintenance to Second Anniversary Maintenance Renewal to Anniversary Date Maintenance after License to Anniversary Date Important Note: Refer to the zSeries MSU Table below.	D516FLL D516GLL E00AXLL D516HLL
IBM Tivoli Workload Scheduler for Applications V8.1 Charge Unit: Processors License and Maintenance to First Anniversary License and Maintenance to Second Anniversary Maintenance Renewal to Anniversary Date Maintenance after License to Anniversary Date Charge Unit: Processors zRev — License and Maintenance to First Anniversary zRev — License and Maintenance to Second Anniversary zRev — Maintenance Renewal to Anniversary Date zRev — Maintenance after License to Anniversary Date	D510HLL D510ILL E0091LL D510MLL D511ILL D511JLL E0099LL D511PLL
IBM Tivoli Configuration Manager V4.1 Charge Unit: Processors License and Maintenance to First Anniversary License and Maintenance to Second Anniversary Maintenance Renewal to Anniversary Date Maintenance after License to Anniversary Date	D511ELL D511FLL E0098LL D511GLL

Program Name/Description	Part Number
Charge Unit: Clients	
License and Maintenance to First Anniversary	D515SLL
License and Maintenance to Second Anniversary	D515TLL
Maintenance Renewal to Anniversary Date	E00AQLL
Maintenance after License to Anniversary Date	D515ULL
Charge Unit: Processors	
zRev — License and Maintenance to First Anniversary	D511KLL
zRev — License and Maintenance to Second Anniversary	D511LLL
zRev — Maintenance Renewal to Anniversary Date	E009ALL
zRev — Maintenance after License to Anniversary Date	D511MLL
IBM Tivoli Remote Control V3.7.1	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D50ZWLL
License and Maintenance to Second Anniversary	D50ZXLL
Maintenance Renewal to Anniversary Date	E008XLL
Maintenance after License to Anniversary Date	D510ALL
Charge Unit: Clients	
License and Maintenance to First Anniversary	D514WLL
License and Maintenance to Second Anniversary	D514XLL
Maintenance Renewal to Anniversary Date	E00AFLL
Maintenance after License to Anniversary Date	D514YLL
IBM Tivoli Security Portfolio	
IBM Tivoli Identity Manager V1.1.1	
Charge Unit: Tivoli Management Points	
License and Maintenance to First Anniversary	D50KKLL
License and Maintenance to Second Anniversary	D50KMLL
Maintenance Renewal to Anniversary Date	E004QLL
Maintenance after License to Anniversary Date	D50KPLL
Important Note:	
Refer to the Scalable Usage Table below.	
Charge Unit: Tivoli Management Points	
zRev — License and Maintenance to First Anniversary	D513HLL
zRev — License and Maintenance to Second Anniversary	D513ILL
zRev — Maintenance Renewal to Anniversary Date	E00A2LL
zRev — Maintenance after License to Anniversary Date	D513JLL
Charge Unit: Processors (for Unlimited User Option)	
License and Maintenance to First Anniversary	D516SLL
License and Maintenance to Second Anniversary	D516TLL
Maintenance Renewal to Anniversary Date	E00BOLL
Maintenance after License to Anniversary Date	D516ULL
Important Note: Licensing is either for Registered User accounts using Tivoli Management Points, or per processor for the server executing the product. There is a 10 processor minimum entitlement level for the Unlimited User Option.	
IBM Tivoli Access Manager for e-business V3.9	
Charge Unit: Tivoli Management Points	
License and Maintenance to First Anniversary	D57V4LL
License and Maintenance to Second Anniversary	D57V5LL
Maintenance Renewal to Anniversary Date	E17W1LL
Maintenance after License to Anniversary Date	D57WTLL
Important Note:	
Refer to the Scalable Usage Table below.	
Charge Unit: Processors (for Unlimited User Option)	
License and Maintenance to First Anniversary	D516WLL
License and Maintenance to Second Anniversary	D516XLL
Maintenance Renewal to Anniversary Date	E00B1LL
Maintenance after License to Anniversary Date	D516YLL
Important Note: Licensing is either for Registered User accounts using Tivoli Management Points, or per processor for the server executing the product. There is a 10 processor minimum entitlement level for the Unlimited User Option.	
IBM Tivoli Access Manager for Business Integration V3.8.1	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D511TLL
License and Maintenance to Second Anniversary	D511ULL
Maintenance Renewal to Anniversary Date	E009CLL
Maintenance after License to Anniversary Date	D511VLL

Program Name/Description	Part Number
IBM Tivoli Access Manager for Business Integration Host Edition V3.7.1	
Charge Unit: Tivoli Management Points	
License and Maintenance to First Anniversary	D516NLL
License and Maintenance to Second Anniversary	D516PLL
Maintenance Renewal to Anniversary Date	E00AZLL
Maintenance after License to Anniversary Date	D516QLL
Important Note: Refer to the zSeries MSU Table below.	
IBM Tivoli Access Manager for Operating Systems V3.8	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D512TLL
License and Maintenance to Second Anniversary	D512ULL
Maintenance Renewal to Anniversary Date	E009QLL
Maintenance after License to Anniversary Date	D512VLL
Note: Processor entitlements are required for all UNIX® systems, including servers and technical workstations.	
IBM Tivoli Risk Manager V3.8	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D512MLL
License and Maintenance to Second Anniversary	D512NLL
Maintenance Renewal to Anniversary Date	E009MLL
Maintenance after License to Anniversary Date	D512PLL
Charge Unit: Network Nodes	
License and Maintenance to First Anniversary	D514ZLL
License and Maintenance to Second Anniversary	D5150LL
Maintenance Renewal to Anniversary Date	E00AGLL
Maintenance after License to Anniversary Date	D5151LL
IBM Tivoli Storage Portfolio	
IBM Tivoli Storage Manager V5.1	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D5127LL
License and Maintenance to Second Anniversary	D5128LL
Maintenance Renewal to Anniversary Date	E009GLL
Maintenance after License to Anniversary Date	D5129LL
Charge Unit: Clients	
License and Maintenance to First Anniversary	D5158LL
License and Maintenance to Second Anniversary	D5159LL
Maintenance Renewal to Anniversary Date	E00AJLL
Maintenance after License to Anniversary Date	D515ALL
Charge Unit: Processors	
zRev — License and Maintenance to First Anniversary	D513YLL
zRev — License and Maintenance to Second Anniversary	D513ZLL
zRev — Maintenance Renewal to Anniversary Date	E00A5LL
zRev — Maintenance after License to Anniversary Date	D5140LL
IBM Tivoli Storage Manager Enterprise Edition V5.1	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D510SLL
License and Maintenance to Second Anniversary	D510TLL
Maintenance Renewal to Anniversary Date	E009KLL
Maintenance after License to Anniversary Date	D510ULL
Trade up from IBM Tivoli Storage Manager	D5110LL
Charge Unit: Clients	
License and Maintenance to First Anniversary	D515BLL
License and Maintenance to Second Anniversary	D515CLL
Maintenance Renewal to Anniversary Date	E00AKLL
Maintenance after License to Anniversary Date	D515DLL
Trade up from IBM Tivoli Storage Manager	D517ULL
Charge Unit: Processors	
zRev — License and Maintenance to First Anniversary	D5119LL
zRev — License and Maintenance to Second Anniversary	D511ALL
zRev — Maintenance Renewal to Anniversary Date	E0097LL
zRev — Maintenance after License to Anniversary Date	D511BLL

Program Name/Description	Part Number
IBM Tivoli Storage Manager for Mail V5.1	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D5102LL
License and Maintenance to Second Anniversary	D5103LL
Maintenance Renewal to Anniversary Date	E008VLL
Maintenance after License to Anniversary Date	D5104LL
Charge Unit: Processors	
zRev — License and Maintenance to First Anniversary	D5106LL
zRev — License and Maintenance to Second Anniversary	D5107LL
zRev — Maintenance Renewal to Anniversary Date	E008WLL
zRev — Maintenance after License to Anniversary Date	D5108LL
IBM Tivoli Storage Manager for Databases V5.1	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D510ELL
License and Maintenance to Second Anniversary	D510FLL
Maintenance Renewal to Anniversary Date	E008ZLL
Maintenance after License to Anniversary Date	D510GLL
IBM Tivoli Storage Manager for Application Servers V5.1	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D510BLL
License and Maintenance to Second Anniversary	D510CLL
Maintenance Renewal to Anniversary Date	E008YLL
Maintenance after License to Anniversary Date	D510DLL
IBM Tivoli Storage Manager for Hardware V5.1	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D510JLL
License and Maintenance to Second Anniversary	D510KLL
Maintenance Renewal to Anniversary Date	E0090LL
Maintenance after License to Anniversary Date	D510LLL
IBM Tivoli Storage Manager for Enterprise Resource Planning V5.1	
Charge Unit: Processors	
License and Maintenance to First Anniversary	D512QLL
License and Maintenance to Second Anniversary	D512RLL
Maintenance Renewal to Anniversary Date	E009NLL
Maintenance after License to Anniversary Date	D512SLL

Scalable Usage Model Table (Value Unit Exhibit VUE002)

Scalable Usage Level	Tivoli Management Points per 1,000 Users					
	1	2	3	4	5	6
Cumulative Users						
Minimum	1	5,001	15,001	50,001	150,001	500,001
Maximum	5,000	15,000	50,000	150,000	500,000	1,000,000
IBM Tivoli Identity Manager V1.1.1	1,800	1,300	1,000	800	600	250
IBM Tivoli Access Manager for e-business V3.9	650	490	260	165	125	100
Scalable Usage Level	7	8	9	10		
Cumulative Users						
Minimum	1,000,001	3,000,001	10,000,001	20,000,001		
Maximum	3,000,000	10,000,000	20,000,000	50,000,000		
IBM Tivoli Identity Manager V1.1.1	150	60	21	12		
IBM Tivoli Access Manager for e-business V3.9	50	45	30	25		

Note: While the part numbers to order for the Tivoli Management Points have remained the same for IBM Tivoli Identity Manager, the Tivoli Management Point values have decreased.

Note: While the part numbers to order for the Tivoli Management Points have remained the same for IBM Tivoli Access Manager for e-business, the Tivoli Management Point values have decreased in levels 1 to 4.

zSeries MSUs Table (Value Unit Exhibit VUE006)

Product Name	Tivoli Management Points per zSeries MSU				
	Base3	4-45	46-175	176-315	316+
IBM Tivoli Network Performance Monitor	1,165	16	11	8	6
IBM Tivoli NetView for TCP/IP Performance V1.4	1,035	46	18	14	10
IBM Tivoli Business Systems Manager for z/OS V1.5	5,200	230	92	70	46
IBM Tivoli Workload Scheduler Host Edition V8.1	2,800	146	28	21	5
IBM Tivoli Access Manager for Business Integration Host Edition V3.7.1	1,200	95	34	27	20

Ordering Media and Documentation via Passport Advantage

Note: The following table is for products on distributed platforms. For z/OS or OS/390 products, refer to the **Ordering z/OS Customized Offerings via Passport Advantage** section. Select a media part number and, if applicable, a documentation pack part number from the table below.

Program Name/Description	Part Number
IBM Tivoli Performance and Availability Portfolio	
IBM Tivoli Monitoring V5.1 Media Pack — Multilingual	BJ03XML
Documentation Pack — International English	BJ03YIE
IBM Tivoli Monitoring Active Directory Option Media Pack — Multilingual	BJ062ML
IBM Tivoli Manager for Exchange V2 Media Pack — Multilingual	BJ05TML
Documentation Pack — International English	BJ05UIE
IBM Tivoli Management Solution for Exchange Media Pack — International English	BJ05QIE
IBM Tivoli Manager for Microsoft SQL V1.3 Media Pack — International English	BJ05RIE
Documentation Pack — International English	BJ05SIE
IBM Tivoli Management Solution for Microsoft SQL Media Pack — International English	BJ05PIE
IBM Tivoli Manager for Sybase Media Pack — International English	BJ05MIE
Documentation Pack — International English	BJ05NIE
IBM Tivoli Monitoring for Transaction Performance V1.7 Media Pack — Multilingual	BJ04HML
Documentation Pack — International English	BJ04IIE
IBM Tivoli Enterprise Console V3.7.1 Media Pack — Multilingual	BJ05KML
Documentation Pack — International English	BJ05AIE
IBM Tivoli NetView V7.1.1 Media Pack — International English	BJ03UIE
Media Pack — International English (V7.1.2)	BJ065IE
IBM Tivoli Switch Analyzer Media Pack — International English	BJ05LIE
IBM Tivoli Business Systems Manager V1.5 Media Pack — International English	BJ04JIE
IBM Tivoli Service Level Advisor Media Pack — Multilingual	BJ04KML
IBM Tivoli Web Site Analyzer V4.1 Media Pack — Multilingual	BJ04FML
Documentation Pack — International English	BJ04GIE
IBM Tivoli Configuration and Operations Portfolio	
IBM Tivoli Workload Scheduler V8.1 Media Pack — Multilingual	BJ03QML
Documentation Pack — International English	BJ03RIE

Program Name/Description	Part Number
IBM Tivoli Workload Scheduler for Applications V8.1 Media Pack — International English	BJ03VIE
Documentation Pack — International English	BJ03WIE
IBM Tivoli Configuration Manager V4.1 Media Pack — Multilingual	BJ04DML
Documentation Pack — International English	BJ055IE
IBM Tivoli Remote Control V3.7.1 Media Pack — Multilingual	BJ03SML
Documentation Pack — International English	BJ03TIE

IBM Tivoli Security Portfolio

IBM Tivoli Identity Manager V1.1.1 Media Pack — Multilingual	BJ03ZML
IBM Tivoli Access Manager for e-business V3.9 Media Pack — Multilingual	BJ04CML
IBM Tivoli Access Manager for Business Integration V3.8.1 Media Pack — Multilingual	BJ04EML
IBM Tivoli Access Manager for Operating Systems V3.8 Media Pack — Multilingual	BJ03DML
IBM Tivoli Risk Manager V3.8 Media Pack — Multilingual	BJ03FML
Documentation Pack — International English	BJ03MIE

IBM Tivoli Storage Portfolio

IBM Tivoli Storage Manager V5.1 Media Pack — Multilingual	BJ04QML
VM Media Pack — Multilingual	BJ064ML
Documentation Pack — International English	BJ04RIE
IBM Tivoli Storage Manager Enterprise Edition V5.1 Media Pack — Multilingual	BJ04NML
VM Media Pack — Multilingual	BJ063ML
Documentation Pack — International English	BJ061IE
IBM Tivoli Storage Manager for Mail V5.1 Media Pack — Multilingual	BJ04YML
IBM Tivoli Storage Manager for Databases V5.1 Media Pack — Multilingual	BJ04SML
IBM Tivoli Storage Manager for Application Servers V5.1 Media Pack — Multilingual	BJ04PML
IBM Tivoli Storage Manager for Hardware V5.1 Media Pack — Multilingual	BJ04WML
IBM Tivoli Storage Manager for Enterprise Resource Planning V5.1 Media Pack — Multilingual	BJ04UML

Ordering z/OS Customized Offerings via Passport Advantage: Specify the custom build registration part number from the table below. Ordering this part number generates a contact of a regional IBM Customer Support Office (Techline) to the customer to configure an order for customized media via the CFSW configurator.

Note: IBM Tivoli Identity Manager V1.1.1 is comprised of two pre-existing Tivoli products, Tivoli Security Management (5698-SEC) and Tivoli User Administration (5698-UAD). Customers of record of either pre-existing product are entitled to the other. To obtain it, an order must be placed for IBM Tivoli Identity Manager V1.1.1 under Passport Advantage.

Note: Also, IBM Tivoli Configuration Manager V4.1 is comprised of two pre-existing Tivoli products, Tivoli Software Distribution Manager (5698-SWD) and Tivoli Inventory (5698-INV). Customers of record of either pre-existing product are entitled to the other. To obtain it, an order must be placed for IBM Tivoli Configuration Manager V4.1 under Passport Advantage.

Program Name/Description	Part Number
IBM Tivoli Performance and Availability Portfolio	
IBM Tivoli Monitoring V5.1	D50ZJLL
IBM Tivoli Enterprise Console V3.7.1	D510ZLL
IBM Tivoli NetView Performance Monitor	D00O7LL
IBM Tivoli NetView for TCP/IP Performance V1.4	D00O9LL
IBM Tivoli Business Systems Manager for z/OS V1.5	D5118LL
IBM Tivoli Configuration and Operations Portfolio	
IBM Tivoli Workload Scheduler Host Edition V8.1	D516ILL
IBM Tivoli Configuration Manager V4.1	D511HLL

Program Name/Description	Part Number
IBM Tivoli Security Portfolio	
IBM Tivoli Identity Manager V1.1.1	D513ELL
IBM Tivoli Access Manager for Business Integration Host Edition V3.7.1	D516RLL

IBM Tivoli Storage Portfolio

IBM Tivoli Storage Manager V5.1	D5135LL
IBM Tivoli Storage Manager Enterprise Edition V5.1	D510VLL
IBM Tivoli Storage Manager for Mail V5.1	D5105LL

Ordering Media Features for z/OS Customized Offerings: Select a media feature and select the custom build registration feature from the table below.

Note: For IBM Tivoli Configuration Manager and IBM Tivoli Identity Manager, select the media feature and Custom Build Registration feature for both components.

Product Number	Description/Language	Custom Build Registration	Media	
			Feature	Type
IBM Tivoli Performance and Availability Portfolio				
5698-EMN	IBM Tivoli Monitoring V5.1 International English	2423	5802	3480 Tape
5698-EAS	IBM Tivoli Enterprise Console V3.7.1 International English	2425	5809	3480 Tape
5698-NPM	IBM Tivoli NetView Performance Monitor International English Japanese Library Kit — International English International English	2402	5758	3480 Tape
			5294	3480 Tape
			7015	CD-ROM
5698-PMI	IBM Tivoli NetView for TCP/IP Performance V1.4 International English	2432	8015	Publication
			5802	3480 Tape
5698-BSM	IBM Tivoli Business Systems Manager for z/OS V1.5 International English	2436	5802	3480 Tape
			5802	3480 Tape
IBM Tivoli Configuration and Operations Portfolio				
5698-WSC	IBM Tivoli Workload Scheduler Host Edition V8.1 International English	2629	5802	3480 Tape
			5802	3480 Tape
5698-SWD	IBM Tivoli Configuration Manager V4.1 Tivoli Software Distribution International English	2421	5802	3480 Tape
5698-INV	Tivoli Inventory International English	2422	5802	3480 Tape

Note: For this product select both components, 5698-SWD and 5698-INV.

IBM Tivoli Security Portfolio

5698-SEC	IBM Tivoli Identity Manager V1.1.1 Tivoli Security Management International English	2445	5802	3480 Tape
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5698-UAD	Tivoli User Administration International English	2424	5802	3480 Tape
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Note: For this product select both components, 5698-SEC and 5698-UAD.

Product Number	Description/Language	Custom Build Regis- tration	Media	
			Feature	Type
5698-AMZ	IBM Tivoli Access Manager for Business Integration Host Edition V3.7.1 International English	2723	5802	3480 Tape

IBM Tivoli Storage Portfolio

5698-ISM	IBM Tivoli Storage Manager V5.1	2810		
	zOS Server — International English		5804	3480 Tape
	zOS API — International English		5802	3480 Tape
	zOS Client — International English		5803	3480 Tape
5698-ISE	IBM Tivoli Storage Manager Enterprise Edition V5.1	2636		
	zOS Server — International English		5804	3480 Tape
	zOS API — International English		5802	3480 Tape
	zOS Client — International English		5803	3480 Tape
5698-APE	IBM Tivoli Storage Manager for Mail V5.1	2639		
	zOS API — International English		5802	3480 Tape
	Domino™ — International English		5812	3480 Tape

Ordering z/OS Customized Offerings Support: For each component's product number within the z/OS Customized Offerings Software Subscription and Annual Support Product (S&S), specify the z/OS support product number and select the support registration feature and the subscription media feature from the table below. This process is implemented by a regional Customer Support Office after the Custom Build Registration part number (Passport Advantage) or product number/feature is ordered.

Note: For IBM Tivoli Configuration Manager and IBM Tivoli Identity Manager, select the media feature and support registration feature for both components.

Note: The media features for the support products are the same media features as the corresponding products they support.

Support Product Number	Description/Language	Support Regis- tration	Media	
			Feature	Type
IBM Tivoli Performance and Availability Portfolio				
5698-S04	IBM Tivoli Monitoring S&S International English	2406	6038	Subscription
5698-S07	IBM Tivoli Enterprise Console S&S International English	2409	6097	Subscription
5698-S12	IBM Tivoli NetView Performance Monitor S&S International English Japanese	2413	6081 6079	Subscription Subscription
5698-S15	IBM Tivoli NetView for TCP/IP Performance S&S International English	2415	6083	Subscription
5698-S20	IBM Tivoli Business Systems Manager for z/OS S&S International English	2418	6091	Subscription

Support Product Number	Description/Language	Support Registration	Media	
			Feature	Type
IBM Tivoli Configuration and Operations Portfolio				
5698-S09	IBM Tivoli Workload Scheduler Host Edition S&S International English	2411	6071	Subscription
5698-S02	IBM Tivoli Configuration Manager S&S Tivoli Software Distribution (5698-SWD) International English	2404	6021	Subscription
5698-S03	Tivoli Inventory (5698-INV) International English	2405	6028	Subscription

Note: For this product, select both components 5698-SWD and 5698-INV.

IBM Tivoli Security Portfolio

5698-S05	IBM Tivoli Identity Manager S&S Tivoli Security Management (5698-SEC) International English	2407	6040	Subscription
5698-S06	Tivoli User Administration (5698-UAD) International English	2408	6049	Subscription

Note: For this product, select both components 5698-SEC and 5698-UAD.

5698-S22	IBM Tivoli Access Manager for Business Integration Host Edition S&S International English	2600	6125	Subscription
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IBM Tivoli Storage Portfolio

5698-S13	IBM Tivoli Storage Manager S&S z/OS Server International English	2444	6124	Subscription
	z/OS API International English		6113	Subscription
	z/OS Backup Client International English		6114	Subscription
5698-S13	IBM Tivoli Storage Manager Enterprise Edition S&S z/OS Server International English	2444	6124	Subscription
	z/OS API International English		6113	Subscription
	z/OS Backup Client International English		6114	Subscription
5698-S21	IBM Tivoli Storage Manager for Mail S&S Lotus® Domino International English	2419	6092	Subscription
	API OS/390 International English		6117	Subscription

Ordering IBM Tivoli Products Outside of Passport Advantage

To order an IBM Tivoli product using the product number/feature number ordering process, do the following:

- For each of the product's charge units, select a feature number and specify the quantity desired for the license from the table, "Ordering a License Using a Product Number".
- For each of the product's charge units, select a feature number and specify the quantity desired for Software Maintenance from the table, "Ordering Software Maintenance Using a Product Number". Also, select a media feature for the Maintenance product from the table, "Ordering Media Features Using a Product Number".
- For media and/or documentation for IBM Tivoli products on a distributed platform, select a media feature from the table, "Ordering Media Features Using a Product Number". For media and/or documentation for IBM Tivoli products on a z/OS or OS/390 platform, do the following:

- Select a media feature and select the custom build registration feature from the table, "Ordering Media Features for z/OS Customized Offerings".
- For each component's product number within the z/OS Customized Offerings Software S&S, specify the z/OS support product number and select the support registration feature and the media feature from the table, "Ordering z/OS Customized Offerings Support".
- Specify feature 9001 for Asset Registration.

Ordering a License Using a Product Number: For each of the product's charge units, select a feature number and specify the quantity desired for the license from the table below.

Important Note: Neither the IBM Tivoli Workload Scheduler Host Edition V8.1, nor the IBM Tivoli Access Manager for Business Integration Host Edition V3.7.1, are available outside of Passport Advantage. The processor entitlements for IBM Tivoli Workload Scheduler V8.1 and the IBM Tivoli Access Manager for Business Integration V3.8.1 (that is, the offerings on the distributed platforms) are **not** eligible for use on a zSeries server.

Product Number	Product Name	Per Charge Unit	
		Qty 1	Qty 250
IBM Tivoli Performance and Availability Portfolio			
5698-NTV	IBM Tivoli NetView V7.1.1		
	Charge Unit: Processors	2767	2768
	Charge Unit: Network Nodes	2871	2872
5698-NPM	IBM Tivoli NetView Performance Monitor		
	Charge Unit: Tivoli Mgmt. Pts.	2308	2309
5698-PMI	IBM Tivoli NetView for TCP/IP Performance V1.4		
	Charge Unit: Tivoli Mgmt. Pts.	1273	1274
IBM Tivoli Configuration and Operations Portfolio			
5698-WSH	IBM Tivoli Workload Scheduler V8.1		
	Charge Unit: Processors	2627	2628
5698-WSE	IBM Tivoli Workload Scheduler for Applications V8.1		
	Charge Unit: Processors	2730	2731
IBM Tivoli Security Portfolio			
5698-AMM	IBM Tivoli Access Manager for Business Integration V3.8.1		
	Charge Unit: Processors	2724	2725
5698-PDO	IBM Tivoli Access Manager for Operating Systems V3.8		
	Charge Unit: Processors	2803	2804
IBM Tivoli Storage Portfolio			
5698-ISM	IBM Tivoli Storage Manager V5.1		
	Charge Unit: Processors	2630	2631
	Charge Unit: Clients	2859	2860
5698-ISE	IBM Tivoli Storage Manager Enterprise Edition V5.1		
	Charge Unit: Processors	2632	2633
	Charge Unit: Clients	2865	2866
	Trade up from 5698-ISM		
	Charge Unit: Processors	2634	2635
	Charge Unit: Clients	2863	2864
5698-APE	IBM Tivoli Storage Manager for Mail V5.1		
	Charge Unit: Processors	2637	2638
5698-APD	IBM Tivoli Storage Manager for Databases V5.1		
	Charge Unit: Processors	2642	2643
5698-APW	IBM Tivoli Storage Manager for Application Servers V5.1		
	Charge Unit: Processors	2640	2641
5698-APH	IBM Tivoli Storage Manager for Hardware V5.1		
	Charge Unit: Processors	2646	2647
5698-APR	IBM Tivoli Storage Manager for Enterprise Resource Planning V5.1		
	Charge Unit: Processors	2644	2645

Ordering Software Maintenance Using a Product Number: This software license includes Software Maintenance, previously referred to as Software Subscription and Technical Support.

Extending coverage for a total of three years from date of acquisition may be elected. Order the program number, feature number, and quantity to extend coverage for your software licenses. If maintenance has expired, specify the after license feature number.

For each of the product's charge units, select a feature number and specify the quantity desired for Software Maintenance, from the table below. Also, the media features for the basic license also apply to the Software Maintenance product. Select the desired media feature from the table, "Ordering Media Features Using a Product Number".

Important Note: Neither the IBM Tivoli Workload Scheduler Host Edition V8.1, nor the IBM Tivoli Access Manager for Business Integration Host Edition V3.7.1, are available outside of Passport Advantage. The processor entitlements for IBM Tivoli Workload Scheduler V8.1 and the IBM Tivoli Access Manager for Business Integration V3.8.1 (that is, the offerings on the distributed platforms) are **not** eligible for use on a zSeries server.

Description	Product ID	Charge Qty 1	Feature Qty 250
IBM Tivoli Performance and Availability Portfolio			
IBM Tivoli NetView V7.1.1			
Use Authorizations: (to be ordered in quantity)			
Charge Unit: Processors			
SW Maintenance 1 Year Registration	5698-TV1	2848	2849
SW Maintenance 1 Year Renewal	5698-TV1	2799	2800
SW Maintenance 1 Year After License	5698-TV1	2801	2802
SW Maintenance 3 Year Registration	5698-TV3	2761	2762
SW Maintenance 3 Year Renewal	5698-TV3	2763	2764
SW Maintenance 3 Year After License	5698-TV3	2765	2766
Charge Unit: Network Nodes			
SW Maintenance 1 Year Registration	5698-TV1	2879	2880
SW Maintenance 1 Year Renewal	5698-TV1	2881	2882
SW Maintenance 1 Year After License	5698-TV1	2883	2884
SW Maintenance 3 Year Registration	5698-TV3	2873	2874
SW Maintenance 3 Year Renewal	5698-TV3	2875	2876
SW Maintenance 3 Year After License	5698-TV3	2877	2878
IBM Tivoli Configuration and Operations Portfolio			
IBM Tivoli Workload Scheduler V8.1			
Use Authorizations: (to be ordered in quantity)			
Charge Unit: Processors			
SW Maintenance 1 Year Registration	5698-WS1	2830	2831
SW Maintenance 1 Year Renewal	5698-WS1	2775	2776
SW Maintenance 1 Year After License	5698-WS1	2777	2778
SW Maintenance 3 Year Registration	5698-WS3	2769	2770
SW Maintenance 3 Year Renewal	5698-WS3	2771	2772
SW Maintenance 3 Year After License	5698-WS3	2773	2774
IBM Tivoli Workload Scheduler for Applications V8.1			
Use Authorizations: (to be ordered in quantity)			
Charge Unit: Processors			
SW Maintenance 1 Year Registration	5698-WE1	2851	2852
SW Maintenance 1 Year Renewal	5698-WE1	2726	2727
SW Maintenance 1 Year After License	5698-WE1	2728	2729
SW Maintenance 3 Year Registration	5698-WE3	2732	2733
SW Maintenance 3 Year Renewal	5698-WE3	2734	2735
SW Maintenance 3 Year After License	5698-WE3	2736	2737
IBM Tivoli Security Portfolio			
IBM Tivoli Access Manager for Business Integration V3.8.1			
Use Authorizations: (to be ordered in quantity)			
Charge Unit: Processors			
SW Maintenance 1 Year Registration	5698-MM1	2818	2819
SW Maintenance 1 Year Renewal	5698-MM1	2738	2739
SW Maintenance 1 Year After License	5698-MM1	2740	2741
SW Maintenance 3 Year Registration	5698-MM3	2745	2746
SW Maintenance 3 Year Renewal	5698-MM3	2747	2748
SW Maintenance 3 Year After License	5698-MM3	2749	2750

Description	Product ID	Charge Qty 1	Feature Qty 250
IBM Tivoli Access Manager for Operating Systems V3.8			
Use Authorizations: (to be ordered in quantity)			
Charge Unit: Processors			
SW Maintenance 1 Year Registration	5698-DO1	2845	2846
SW Maintenance 1 Year Renewal	5698-DO1	2795	2796
SW Maintenance 1 Year After License	5698-DO1	2797	2798
SW Maintenance 3 Year Registration	5698-DO3	2789	2790
SW Maintenance 3 Year Renewal	5698-DO3	2791	2792
SW Maintenance 3 Year After License	5698-DO3	2793	2794
IBM Tivoli Storage Portfolio			
IBM Tivoli Storage Manager V5.1			
Use Authorizations: (to be ordered in quantity)			
Charge Unit: Processors			
SW Maintenance 1 Year Registration	5698-SM1	2827	2828
SW Maintenance 1 Year Renewal	5698-SM1	2660	2661
SW Maintenance 1 Year After License	5698-SM1	2662	2663
SW Maintenance 3 Year Registration	5698-SM3	2853	2854
SW Maintenance 3 Year Renewal	5698-SM3	2855	2856
SW Maintenance 3 Year After License	5698-SM3	2885	2886
Charge Unit: Clients			
SW Maintenance 1 Year Registration	5698-SM1	2897	2898
SW Maintenance 1 Year Renewal	5698-SM1	2899	3000
SW Maintenance 1 Year After License	5698-SM1	3001	3002
SW Maintenance 3 Year Registration	5698-SM3	2887	2888
SW Maintenance 3 Year Renewal	5698-SM3	2889	2890
SW Maintenance 3 Year After License	5698-SM3	2857	2858
IBM Tivoli Storage Manager Enterprise Edition V5.1			
Use Authorizations: (to be ordered in quantity)			
Charge Unit: Processors			
SW Maintenance 1 Year Registration	5698-SE1	2812	2813
SW Maintenance 1 Year Renewal	5698-SE1	2664	2665
SW Maintenance 1 Year After License	5698-SE1	2666	2667
SW Maintenance 3 Year Registration	5698-SE3	2654	2655
SW Maintenance 3 Year Renewal	5698-SE3	2656	2657
SW Maintenance 3 Year After License	5698-SE3	3003	3004
Charge Unit: Clients			
SW Maintenance 1 Year Registration	5698-SE1	2891	2892
SW Maintenance 1 Year Renewal	5698-SE1	2893	2894
SW Maintenance 1 Year After License	5698-SE1	2895	2896
SW Maintenance 3 Year Registration	5698-SE3	3005	3006
SW Maintenance 3 Year Renewal	5698-SE3	3007	3008
SW Maintenance 3 Year After License	5698-SE3	2658	2659
IBM Tivoli Storage Manager for Mail V5.1			
Use Authorizations: (to be ordered in quantity)			
Charge Unit: Processors			
SW Maintenance 1 Year Registration	5698-PE1	2824	2825
SW Maintenance 1 Year Renewal	5698-PE1	2674	2675
SW Maintenance 1 Year After License	5698-PE1	2676	2677
SW Maintenance 3 Year Registration	5698-PE3	2668	2669
SW Maintenance 3 Year Renewal	5698-PE3	2670	2671
SW Maintenance 3 Year After License	5698-PE3	2672	2673
IBM Tivoli Storage Manager for Databases V5.1			
Use Authorizations: (to be ordered in quantity)			
Charge Unit: Processors			
SW Maintenance 1 Year Registration	5698-PD1	2836	2837
SW Maintenance 1 Year Renewal	5698-PD1	2692	2693
SW Maintenance 1 Year After License	5698-PD1	2694	2695
SW Maintenance 3 Year Registration	5698-PD3	2700	2701
SW Maintenance 3 Year Renewal	5698-PD3	2702	2703
SW Maintenance 3 Year After License	5698-PD3	2704	2705

Description	Product ID	Charge Qty 1	Feature Qty 250
IBM Tivoli Storage Manager for Application Servers V5.1 Use Authorizations: (to be ordered in quantity) Charge Unit: Processors			
SW Maintenance 1 Year Registration	5698-PW1	2842	2843
SW Maintenance 1 Year Renewal	5698-PW1	2712	2713
SW Maintenance 1 Year After License	5698-PW1	2714	2715
SW Maintenance 3 Year Registration	5698-PW3	2680	2681
SW Maintenance 3 Year Renewal	5698-PW3	2682	2683
SW Maintenance 3 Year After License	5698-PW3	2684	2685
IBM Tivoli Storage Manager for Hardware V5.1 Use Authorizations: (to be ordered in quantity) Charge Unit: Processors			
SW Maintenance 1 Year Registration	5698-PH1	2833	2834
SW Maintenance 1 Year Renewal	5698-PH1	2716	2717
SW Maintenance 1 Year After License	5698-PH1	2718	2719
SW Maintenance 3 Year Registration	5698-PH3	2706	2707
SW Maintenance 3 Year Renewal	5698-PH3	2708	2709
SW Maintenance 3 Year After License	5698-PH3	2710	2711
IBM Tivoli Storage Manager for Enterprise Resource Planning V5.1 Use Authorizations: (to be ordered in quantity) Charge Unit: Processors			
SW Maintenance 1 Year Registration	5698-PR1	2839	2840
SW Maintenance 1 Year Renewal	5698-PR1	2696	2697
SW Maintenance 1 Year After License	5698-PR1	2698	2699
SW Maintenance 3 Year Registration	5698-PR3	2686	2687
SW Maintenance 3 Year Renewal	5698-PR3	2688	2689
SW Maintenance 3 Year After License	5698-PR3	2690	2691

Ordering Media Features Using a Product Number: Select the desired media feature from the table below.

Product Number	Description/Language	Media	
		Feature	Type
IBM Tivoli Performance and Availability Portfolio			
5698-NTV	IBM Tivoli NetView V7.1.1 International English	5809	CD-ROM
IBM Tivoli Configuration and Operations Portfolio			
5698-WSH	IBM Tivoli Workload Scheduler V8.1 International English	5809	CD-ROM
5698-WSE	IBM Tivoli Workload Scheduler for Applications V8.1 International English	5809	CD-ROM
IBM Tivoli Security Portfolio			
5698-AMM	IBM Tivoli Access Manager for Business Integration V3.8.1 International English	5809	CD-ROM
5698-PDO	IBM Tivoli Access Manager for Operating Systems V3.8 International English	5809	CD-ROM
IBM Tivoli Storage Portfolio			
5698-ISM	IBM Tivoli Storage Manager V5.1 International English	5809	CD-ROM
	VM Server — International English	5805	3480 Tape
	VM Server — International English	5806	4mm Tape

Product Number	Description/Language	Media	
		Feature	Type
5698-ISE	IBM Tivoli Storage Manager Enterprise Edition V5.1		
	International English	5809	CD-ROM
	VM Server — International English	5805	3480 Tape
5698-APE	VM Server — International English	5806	4mm Tape
	IBM Tivoli Storage Manager for Mail V5.1		
5698-APD	International English	5809	CD-ROM
	IBM Tivoli Storage Manager for Databases V5.1		
5698-APW	International English	5809	CD-ROM
	IBM Tivoli Storage Manager for Application Servers V5.1		
5698-APH	International English	5809	CD-ROM
	IBM Tivoli Storage Manager for Hardware V5.1		
5698-APR	International English	5809	CD-ROM
	IBM Tivoli Storage Manager for Enterprise Resource Planning V5.1		

Terms and Conditions

Agreement: For orders under Passport Advantage: IBM IPLA, IBM International Passport Advantage Agreement (PAA), and an IBM International PAA Enrollment Form.

For orders via Build to Order: IBM IPLA, IBM International Agreement for Acquisition of Programs and Support (IIAAPS) and the IBM Attachment for Support, IBM Agreement for Acquisition of Support (IAAS), IBM Addendum for Support (Software Maintenance) for Selected Programs (Z125-6495), and an Order Form.

Transferable: Yes, except for programs acquired at a discount or allowance.

Limited Warranty Applies: Yes

Guarantee: 30 day money-back guarantee

Usage Restriction: Yes. Usage is limited to the quantity of charge units licensed.

Volume Offering (IVO): No

Upgrade Protection Applies: Covered as long as Software Maintenance is in effect.

Educational Allowance Available: Yes, to qualified education institution customers.

Percentage: 15%

Licensed Program Materials Availability

- Restricted Materials of IBM: None
- Non-Restricted Source Materials: None
- Object Code Only (OCO): All

Maintenance Applies

- Software Maintenance under Passport Advantage: Yes
- Software Maintenance for IBM Tivoli products: Yes

Complementary Introductory Support: Not available

Program Services and End of Support: Program services for an IBM Tivoli program are one year from the date IBM or your Business Partner makes the program available to you. The program services duration period shall be less than one year for programs acquired after the announcement of a program's end-of-support (EOS) date.

EOS for programs or versions/releases of programs will be announced 12 months prior to the effective date.

Software Maintenance for IBM Tivoli Products and Passport Advantage

Support Web Site for Problem Reporting:

<http://www.tivoli.com/support/reporting/>

- Support Center applies:
 - Yes
 - Access is available through the IBM Support Center 800-237-5511.
- Availability of Passport Advantage Software Maintenance:
 - Passport Advantage Software Maintenance is provided at no additional charge for each eligible program acquired until the First or Second Anniversary Date, dependent on the part number ordered.
 - Passport Advantage Software Maintenance is provided for renewal for a fee at each anniversary date. Customers who do not renew their Software Maintenance will have to purchase the Maintenance after License option to renew their maintenance agreement when they require a new level of software code or remote technical support.
- Software Maintenance and Passport Advantage Software Maintenance are available until:

- Twelve months after announcement of product discontinuance, (that is, end of life (EOL))
- Software Maintenance and Passport Advantage Software Maintenance are applicable to:
 - The current release
 - The immediate previous release for twelve months after the general availability of the current release
- Availability of Software Maintenance Outside of Passport Advantage:
 - The first year of Software Maintenance is included with the license at no additional charge. The first year starts when the product is shipped to the customer.
 - Software Maintenance is available for three years with a license acquisition for an additional fee.

- Software Maintenance is available for a 1-year and 3-year renewal for a fee as part of the IAAS, IIAAPS, or any equivalent agreement.

- APAR Mailing Address:

Tivoli Systems Inc.
 11400 Burnet Road
 Austin, TX 78758
 USA
 Attention: Product Development

IBM Operational Support Services — Support Line: No

Product Web Site: A complete list of products, terminology definitions, and licensing documents are available at the following Web site:

<http://www.tivoli.com/products/licensing/>

Prices

Contact your IBM representative for prices information for this announcement.

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