



IBM Tivoli OMNIBus and Network Manager V8.2 includes the new release of IBM Tivoli Netcool/OMNIBus V7.3 and IBM Tivoli Network Manager IP Edition V3.8

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At a glance

IBM® Tivoli® OMNIBus and Network Manager V8.2 includes IBM Tivoli Netcool/OMNIBus™ V7.3 and IBM Tivoli Network Manager IP Edition V3.8 delivering significant potential benefits in the following areas:

- Usability, performance, and scalability improvements
- Ease of deployment, integration, and interoperation

For ordering, contact your IBM representative or an IBM Business Partner. For more information, contact the Americas Call Centers at 800-IBM-CALL (426-2255).

Reference: SE001

Overview

IBM Tivoli OMNIBus and Network Manager V8.2 includes the new release of IBM Tivoli Netcool/OMNIBus V7.3 and IBM Tivoli Network Manager IP Edition V3.8.

IBM Tivoli Netcool/OMNIBus V7.3 is designed to scale from the smallest to some of the largest, most complex environments, across business applications, virtualized servers, network devices and protocols, Internet protocols, and security and storage devices. Breadth of coverage, rapid deployment, ease of use, high resilience, and exceptional scalability and performance are just some of the reasons leading organizations worldwide are leveraging Tivoli Netcool/OMNIBus to manage some of the world's largest, most complex environments.

Leading enterprises and public sector organizations rely on Tivoli Netcool/OMNIBus to consolidate the management of multiple management domains and tools under a "single pane of glass" view. The software helps make it easier for enterprises to manage problems across IT domains and heterogeneous networks, and thereby assist their efforts to reduce costs and improve overall staff productivity.

Leading service providers use Tivoli Netcool/OMNIBus to manage their complex, next-generation networks and applications in real time, helping optimize the availability of fixed and wireless services. The software helps accelerate time to market of new services, maximize service quality, and improve operator efficiency.

Integrated visualization and other common capabilities across Tivoli products deliver task-based workflows that represent common operations used to perform operations and service management tasks speeding problem solving across operational domains, with integrated drill down to detailed performance analytics and reporting from Tivoli Monitoring products to help reduce mean time to resolution and increase operator efficiency.

The increasing deployment of smart assets across the infrastructure results in greater complexity and escalating event volumes requiring fast effective consolidated management in order to maintain high levels of end-to-end service availability demanded in today's business environment. Recognizing these key business needs, the new release of IBM Tivoli Netcool/OMNIBus V7.3 includes, as the strategic Event Management Desktop, the Web 2.0 based user interface previously provided by IBM Tivoli Netcool/Webtop and one component of IBM Tivoli Netcool/Impact V5.1.1 under a no-charge limited use license. IBM Tivoli Netcool/Impact is used for the query and integration of data stored and generated by IBM Tivoli Software products only. The new release improves performance and scalability while bringing enhanced functionality to both users and administrators.

IBM Tivoli Network Manager IP Edition helps an organization visualize and understand the layout of complex networks and the impact of events upon them. The root cause analysis allows Network Operations Centers' (NOC) operators to work more efficiently by focusing time and attention on root cause events and identifying symptom events that can be filtered into a separate view. For more information about IBM Tivoli Network Manager IP Edition V3.8, refer to Software Announcement [208-329](#), dated October 28, 2008.

Key prerequisites

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

Planned availability date

IBM Tivoli OMNIBus and Network Manager V8.2

- November 13, 2009: Electronic general availability
- November 27, 2009: Media and physical general availability

IBM Tivoli Netcool/OMNIBus V7.3

- November 13, 2009: Electronic general availability
- November 27, 2009: Media and physical general availability

Description

IBM Tivoli Netcool/OMNIBus

IBM Tivoli OMNIBus and Network Manager V8.2 includes the new release of IBM Tivoli Netcool/OMNIBus V7.3 and IBM Tivoli Network Manager IP Edition V3.8.

The profitability of most organizations depends largely upon their ability to deliver application and network-based services to customers and end users in a cost-effective manner. From fixed and mobile telecommunications services to online trading and Web banking, the reliability and performance of application and network-based services are intrinsically tied to an organization's success and bottom line.

Use highly scalable fault processing to manage complex, dispersed environments

IBM Tivoli Netcool/OMNIBus is used to manage tens of millions of raw events daily. Furthermore, the software can be deployed in a distributed, parallel, or hierarchical fashion to support complex operations environments that span diverse geographic boundaries. Since it couples scalability with a flexible architecture, the software can deliver robust event management to support environments of nearly any size.

IBM Tivoli Netcool/OMNIBus provides consolidated management across multiple silos to help organizations improve the end-to-end availability of their application and network-based services. When the software detects faults, the faults are processed in the ObjectServer, a high-speed, in-memory database that collects events from across the infrastructure in real time.

IBM Tivoli Netcool/OMNIBus then eliminates duplicate events and filters events through an advanced problem escalation engine. The software enables your staff to hone in on the most critical problems and even automate the isolation and resolution of those problems.

Automate problem resolution

Typically, operators diagnose and resolve one alarm at a time leaving several other alarms sitting in the queue for lengthy periods. IBM Tivoli Netcool/OMNIBus helps organizations improve the efficiency of their problem resolution efforts by providing an advanced capability for automating corrective actions to common problems. By allowing operators to run automated resolution scripts against recurring, predictable problems, your organization can more rapidly resolve routine issues and help minimize manual intervention.

Manage a broad range of application, and network-based services and supporting infrastructure

Use Tivoli Netcool® Probes to actively collect business and technology events from more than 1,000 sources in real time. These lightweight agents and applications look for events and traps, and monitor network devices across the business. You can also develop and customize Tivoli Netcool Probes to support virtually any kind of event, including those generated by proprietary business applications.

The probes deliver data to the ObjectServer for collection, filtering, and storage, where your staff can view and manipulate the information and then take meaningful action. Your organization can create customized filters to view data by severity, device, service, geography, or other criteria you define.

In addition to the Netcool Probes, you can deploy the IBM Tivoli Monitoring family that integrates with Tivoli Netcool/OMNIBus to proactively measure user experiences and performance across applications and generate alarms based on thresholds you establish.

Examples of devices, systems, and applications include but are not limited to:

- Network infrastructure - Layer 1, 2, and 3 network routers and switches, such as multiprotocol label switching (MPLS), virtual private network (VPN), asynchronous transfer mode (ATM), frame relay, synchronous optical network (SONET), Voice over IP (VoIP), and legacy Private Branch Exchange (PBX) based services.
- Applications - IBM Lotus Notes® and IBM Lotus® Domino®, IBM WebSphere® software, Sybase, SAP, Microsoft® Active Directory, IIS, Exchange and SQL Server, BEA WebLogic, Apache, Oracle, and many more.
- Infrastructure services and protocols - HTTP/HTTPS, Domain Name Service (DNS), Dynamic Host Configuration Protocol (DHCP), Lightweight Directory Access Protocol (LDAP), Simple Mail Transfer Protocol (SMTP), Post Office Protocol 3 (POP3), Internet Message Access Protocol 4 (IMAP4), Radius, and File Transfer Protocol (FTP).
- Wireless infrastructure - Nokia, Nortel, Class 5 voice switches, Private Automatic Branch Exchange (PABX) voice switches, Signaling System 7 (SS7 or C7), Radio

Access Network devices, network transport, multiservice components, and optical equipment.

- User transactions - Recording, playback, and performance testing of transactions for user-facing applications such as Java™ applets, and Flash and native Microsoft Windows® client applications.
- Security - VPNs, firewalls, antivirus programs, authorization programs, and intrusion detection systems (IDS).
- Systems - Availability, CPU, log files, memory, disk, application flow, security, and client and server response time. Extend the value of existing enterprise management tools and operations support systems.

IBM Tivoli Netcool/OMNIBus can serve as a manager of managers that leverages your existing investments in management systems such as HP NNM, CA Spectrum, Microsoft System Center for Operations, and many others. By enabling organizations to manage data from multiple tools under a single console, IBM Tivoli Netcool/OMNIBus can help improve the effectiveness of the entire enterprise operations environment.

For service providers, IBM Tivoli Netcool/OMNIBus provides integration with operations support systems (OSS) such as inventory, provisioning, and billing tools. Consequently, the software can help support enhanced Telecom Operations Map (eTOM) initiatives.

IBM Tivoli Netcool/OMNIBus also integrates with help desk and customer relationship management (CRM) applications such as Tivoli Service Request Manager, HP Servicecenter, and BMC Remedy. It can automatically open trouble tickets and help enable help desk personnel to proactively manage problems by displaying effects of problems on customers and services.

Gain real-time management views across your organization that can assimilate data from applications and the operations environment into service views by using the Event Management Desktop, formerly known as Tivoli Netcool/Webtop. This Web-enabled interface allows monitoring and viewing of high volumes of management data from the ObjectServer. The Event Management Desktop provides your executives, line-of-business managers, operations personnel, and customers with real-time, customizable views of faults, services, and key performance indicators.

Accessible from any Java-enabled Web browser, the Event Management Desktop provides operations staff and executives with anytime, anywhere access to service status and actionable information. Highly customizable dashboards offer an array of images, graphical maps, charts, tables, and event lists that can be tailored according to your requirements, showing the big picture of a service or the specific devices that may be causing a problem.

Integrate real-time information with historical reporting

Understanding the behavior of applications, services, processes, key performance indicators, and other relevant data is critical to effective decision making. Organizations can purchase reporting to gain intelligence about developing trends and to identify potential hot spots for proactive intervention before larger problems occur.

IBM Tivoli Network Manager IP Edition

IBM Tivoli Network Manager IP Edition helps an organization visualize and understand the layout of complex networks and the impact of events upon them. The root cause analysis allows Network Operations Centers' (NOC) operators to work more efficiently by focusing time and attention on root cause events and identifying symptom events that can be filtered into a separate view. For more information on IBM Tivoli Network Manager IP Edition V3.8, refer to Software Announcement [208-329](#), dated October 28, 2008.

About Tivoli software

The IBM Tivoli software portfolio is used by many of the world's leading enterprises, service providers, and government organizations for its ability to consolidate and manage events across some of the largest, most complex, heterogeneous environments. The Tivoli software portfolio offers broad collection, consolidation, and correlation capabilities to help organizations rapidly identify and resolve problems and improve operational efficiency. By combining real-time service modeling and impact analysis capabilities with scalable fault management, the Tivoli Netcool software portfolio helps organizations to manage more effectively the availability, performance, and security of business applications and services.

Tivoli software from IBM helps organizations more efficiently and effectively manage information technology (IT) resources, tasks, and processes to help meet ever-shifting business requirements, and deliver more flexible and responsive IT service management while helping to reduce costs. The Tivoli portfolio has a wide range of software for security, compliance, storage, performance, availability, configuration, operations, and IT lifecycle management, and is backed by world-class IBM services, support, and research.

Accessibility by people with disabilities

A U.S. Section 508 Voluntary Product Accessibility Template (VPAT) containing details on accessibility compliance can be requested at

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

Product positioning

IBM Tivoli OMNIBus and Network Manager delivers both Event and Network management in a single offering. It gives you the opportunity to capitalize on the tight integration between IBM Tivoli Netcool/OMNIBus and IBM Tivoli Network Manager IP Edition. These two products provide unrivalled visibility and control of the managed domain and as a joint offering provide the depth and breadth of management capability required regardless of size.

IBM Tivoli Netcool/OMNIBus delivers real-time, centralized event monitoring of complex networks and IT domains providing out-of-the-box consolidation of events from a broad range of event sources, and addresses the issue of correlating large numbers of events using de-duplication, filtering, and state-based correlation techniques. Integration with the capabilities provided by the broader IBM Service Management portfolio further enriches this core technology through:

- Business Service Management.
- Event enrichment through real-time integration with corporate business data (Netcool/Impact).
- Application topology and dependency (IBM Tivoli Application Dependency Discovery Manager).
- System and application monitoring to extend the consolidation of distributed system events (IBM Tivoli Monitoring).
- System z® to capture events from the mainframe environment (IBM Tivoli OMEGAMON® XE).
- Application and transaction performance monitoring by IBM Tivoli Composite Application Manager to provide consolidated views of composite distributed application events.
- Directing products to help more proactively identify potential issues (Performance Analyzer).
- Integration with the Tivoli Enterprise Console® (TEC) event sources.
- Network, application, and service topology-based correlation that allows the identification of root-cause and symptom events using downstream, connected, and containment-based relationships for events on both element and links. This is supported by automatic discovery of elements and relationships, and a

generalized modeling capability in the Change and Configuration Management Database (CCMDB).

- Causal-relationship correlation based upon rules or models leveraging domain expertise.
- Security information and event management, which requires specialized and dedicated techniques (Tivoli Security Operations Manager).
- Trouble ticketing integration with Tivoli Service Request Manager.
- Event archive and reporting with integration to Tivoli Data Warehouse and Tivoli Common Reporting.

This approach provides an extensible event management solution (IBM Tivoli Netcool/OMNIBus), along with modular best-of-breed management capabilities to more effectively balance your immediate, specialized correlation requirements with your strategic, long-term objective of increasing sophistication across the range of event management and operational management processes.

In addition to the breadth and flexibility offered via Tivoli integration, IBM Tivoli Netcool/OMNIBus software's third-party integration support has never been broader. It features:

- Continued expansion of the third-party applications, systems, and network equipment that can be monitored via the Tivoli OMNIBus and Network Manager probes
- Continued expansion of integrations with third-party systems through Tivoli Netcool/OMNIBus gateways that allows other operations management products to benefit from the event correlation and analysis provided in the Tivoli event correlation and analysis suite

IBM Tivoli Network Manager IP Edition V3.8

IBM Tivoli Network Manager IP Edition helps an organization visualize and understand the layout of complex networks and the impact of events upon them. The root cause analysis allows NOC operators to work more efficiently by focusing time and attention on root cause events and identifying symptom events that can be filtered into a separate view.

Tivoli Network Manager IP Edition V3.8 is uniquely positioned in the market place due to the following differentiators:

- Rapid time to value
- Breadth of new technology protocols and network device coverage
- Performance and scalability
- Flexibility to evolve with your network and meet your changing business needs
- Out-of-the-box integration with Netcool/OMNIBus and other Tivoli products

Program number

Program number	VRM	Program name
5724-w11	8.2.0	IBM Tivoli OMNIBus and Network Manager
5724-s44	7.3.0	IBM Tivoli Netcool/OMNIBus

Education support

Comprehensive education for IBM Tivoli products is offered through Worldwide Tivoli Education Delivery Services. A wide range of training options are available, including classes led by instructors, learning on demand, on-site training, and blended learning solutions.

For additional information, visit

Offering Information

Product information is available via the Offering Information Web site

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

Also, visit the Passport Advantage® Web site

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

Publications

The Quick Start guide in English, French and Japanese is available on separate CD with this program.

The Publications Center is a worldwide central repository for IBM product publications and marketing material with a catalog of 70,000 items. Extensive search facilities are provided. Payment options for orders are via credit card (in the U.S.) or customer number for 20 countries. A large number of publications are available online in various file formats, and they can all be downloaded by all countries, free of charge.

Displayable softcopy publications: The displayable manuals are part of the basic machine-readable material. The files are shipped on the same media type as the basic machine-readable material/CD-ROM.

These displayable manuals can be used with the BookManager® READ licensed programs in any of the supported environments. Terms and conditions for use of the machine-readable files are shipped with the files.

Technical information

Specified operating environment

Hardware requirements

IBM Tivoli Netcool/OMNIBus V7.3 specified operating environment

Tivoli Netcool/OMNIBus runs on hardware capable of supporting the software listed in the [Software requirements](#) section. A full installation of IBM Tivoli Netcool/OMNIBus V7.3 requires a minimum of 500 MB of available disk space, and a minimum of 500 MB of system memory. The memory resident ObjectServer database benefits from fewer fast processors rather than server architectures with many slower cores.

IBM Tivoli Network Manager IP Edition V3.8 specified operating environment

Hardware requirements vary according to the size and composition of your network and the features of Network Manager you want to use. The following topics describe the hardware requirements that your servers must meet before you can install Network Manager.

Requirements for the core components

To install the Network Manager core components, your servers must meet the minimum hardware requirements. The following requirements must be met before you can begin installing the Network Manager components:

- For Solaris 9 and 10: Sun Fire V210 Server

- For Linux®: Intel® (or compatible) PC with 1 GHz Pentium® 3 processor
- For Windows: PC with 2.4 GHz Pentium 4 single CPU or equivalent
- For AIX: IBM eServer p5 510 Express with 2 GB DRAM minimum (4 GB DRAM recommended)
- 2 GB hard disk space to store the software with 2 GB hard disk space for cache storage
- CD-ROM drive

Tivoli Integrated Portal (TIP) (User Console) server requirements

The server on which you install the TIP must meet several requirements. The option in the installation wizard to install, TIP also installs other components and is labeled User Console. The server must meet the following requirements:

- 500 MB hard disk space (at least 2 GB additional disk space is recommended)
- 1 GB system memory (at least 2 GB additional system memory is recommended)
- CD-ROM drive

Disk space for events and interfaces

You must calculate and allow for the additional disk space for the number of events and interfaces on your installation. The additional hardware requirements for Network Manager are as follows:

- 4 KB of disk space for each expected event, per day of storage required
- 4 KB of disk space for each interface or port on a managed device

For example, if you expect 3,000 events each day and require them to be stored for 30 days, you require $3000 * 30 * 4 \text{ KB} = 360 \text{ MB}$.

The total disk space required is therefore 512 MB + 512 MB cache + 360 MB + (4 KB * ports).

Bandwidth requirements for discovery

Network discovery operations require a minimum of broadband connection speed. Do not attempt discoveries over dial-up connection speeds. If the connection speed is not sufficient, packets might be lost due to the amount of SNMP traffic that is generated by the default discovery and monitoring operations.

Discovery memory requirements

The discovery engine, the ncp_disco process, is the Network Manager process that uses most memory. Make sure that you meet the memory requirements for your operating system. All Network Manager processes, including the ncp_disco process, are 32-bit processes and, therefore have access to up to 4 GB of memory.

On the AIX® platform, processes can automatically access up to 2 GB of memory only. This enables them to work out-of-the-box on both 32-bit and 64-bit kernels. You can change the memory model that is used by the processes to enable Network Manager processes to access up to 3.25 GB of memory on an AIX 64-bit kernel.

Software requirements

Note: The supported operating systems, browsers, and JRE versions for these products are reviewed and updated at regular intervals. The Tivoli Platform and Database Support Matrix containing the latest information is published with monthly updates at

<http://www-01.ibm.com/support/docview.wss?rs=203&uid=swg21067036>

IBM Tivoli Netcool/OMNIBus V7.3 Specified operating environment

Tivoli Netcool/OMNIBus platform support:

Operating system	Server and Client
AIX V5.3	(System i®, System p®)
AIX V6.1	(System i, System p)
HP-UX 11i v2	PA-RISC and Itanium
HP-UX 11i v3	PA-RISC and Itanium
Red Hat Desktop 4.0	x86-32
Red Hat Desktop 4.0	x86-64
Red Hat Desktop 5.0	x86-32
Red Hat Desktop 5.0	x86-64
Red Hat Enterprise Linux (RHEL) 4.0	x86-32
Red Hat Enterprise Linux (RHEL) 4.0	x86-64
Red Hat Enterprise Linux (RHEL) 4.0	s390
Red Hat Enterprise Linux (RHEL) 4.0	s390x
Red Hat Enterprise Linux (RHEL) 5.0	x86-32
Red Hat Enterprise Linux (RHEL) 5.0	x86-64
Red Hat Enterprise Linux (RHEL) 5.0	s390x
SUSE Linux Enterprise Desktop (SLED) 10.0	x86-32
SUSE Linux Enterprise Desktop (SLED) 10.0	x86-64
Solaris 9 SPARC	
Solaris 10 SPARC	
SUSE Linux Enterprise Server (SLES) 9.0	x86-32
SUSE Linux Enterprise Server (SLES) 9.0	x86-64
SUSE Linux Enterprise Server (SLES) 10.0	x86-32
SUSE Linux Enterprise Server (SLES) 10.0	x86-64
SUSE Linux Enterprise Server (SLES) 10.0	s390x
SUSE Linux Enterprise Server (SLES) 11.0	x86-32
SUSE Linux Enterprise Server (SLES) 11.0	x86-64
SUSE Linux Enterprise Server (SLES) 11.0	s390x
Windows Server 2003 Datacenter Edition (Optional) -	x86-32
Windows Server 2003 Datacenter Edition (Optional) -	x86-64
Windows Server 2003 Enterprise Edition	x86-32
Windows Server 2003 Enterprise Edition	x86-64
Windows Server 2003 Standard Edition	x86-32
Windows Server 2003 Standard Edition	x86-64
Windows Server 2003 Standard x64 Edition	x86-64
Windows Server 2008 Enterprise Edition	x86-32
Windows Server 2008 Enterprise Edition	x86-64
Windows Server 2008 Standard Edition	x86-32
Windows Server 2008 Standard Edition	x86-64

Tivoli Netcool/OMNIBus Client only:

Operating system	Client
Red Hat Desktop 4.0	x86-32
Red Hat Desktop 4.0	x86-64
Red Hat Desktop 5.0	x86-32
Red Hat Desktop 5.0	x86-64
Windows Vista Ultimate	x86-32
Windows Vista Ultimate	x86-64
Windows XP Professional	x86-32
Windows XP Professional	x86-64
Windows 7 Enterprise with FDCC	
Windows 7 Enterprise	
Windows Server 2008 R2 Datacenter Edition	
Windows Server 2008 R2 Enterprise Edition	
Windows Server 2008 R2 Standard Edition	

Java Runtime Environment (JRE) specifications: IBM Tivoli Netcool/OMNIBus V7.3 requires JRE V5.0 and is shipped as part of Tivoli Netcool/OMNIBus. All OMNIBus Java components will use IBM JRE V1.5 and this JRE will be included in the installation program.

IBM Tivoli Network Manager IP Edition

Tivoli Network Manager IP Edition is supported on various versions of UNIX® and Windows and requires that the operating system be patched to the latest patch levels.

Tivoli Network Manager IP Edition V3.8 supports the following operating systems:

- Solaris 9 and 10 for SPARC
- Red Hat Enterprise Linux 5.0 (x86-32 and x86-64, System z)
- SUSE Enterprise Linux 10 and 11 (x86-32 and x86-64, System z)
- AIX V5.3 System i/System p
- AIX V6.1 System i/System p
- Windows Server 2008 Enterprise Edition (x86-32 and x86-64)

Supported browsers for Web applications

To use the Web applications, make sure that clients use one of the supported Web browsers. The following table describes the supported Web browsers and the Java Virtual Machine (JVM) versions for each client operating system: *

* Supported browsers for the installer launchpad.

To run the installer launchpad, you must have a supported browser installed.

List of supported browsers

The supported browsers for the installer launchpad are described in the following table:

Browser	Version
Firefox	2.0, or later
Mozilla	1.7, or later
Internet Explorer	6.0, or later

The program's specifications and specified operating environment information may be found in documentation accompanying the program, if available, such as a README file, or other information published by IBM, such as an announcement letter. Documentation and other program content may be supplied only in the English language.

Planning information

Installability

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

IBM includes one year of Software Subscription and Support (also referred to as Software Maintenance) with each program license acquired. The initial period of Software Subscription and Support (Software Maintenance) can be extended by the purchase of a renewal option, if available.

Packaging

IBM Tivoli OMNibus and Network Manager is distributed with:

- DVDs
- Publications (refer to the [Publications](#) section)

IBM Tivoli Netcool/OMNIBus is distributed with:

- DVDs and CDs
- Publications (refer to the [Publications](#) section)

This program, when downloaded from a Web site, contains the applicable IBM license agreement and License Information, if appropriate, and will be presented for acceptance at the time of installation of the program. For future reference, the license and License Information will be stored in a directory such as LICENSE.TXT.

Security, auditability, and control

IBM Tivoli OMNIBus and Network Manager uses the security and auditability features of the operating system software.

IBM Tivoli Netcool/OMNIBus uses the security and auditability features of the operating system software. The customer is responsible for evaluation, selection, and implementation of security features, administrative procedures, and appropriate controls in application systems and communication facilities.

Software Services

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

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

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

IBM Tivoli Enhanced Value-Based Pricing

IBM Tivoli Enhanced Value-Based Pricing terminology definitions

Application Instance

A license entitlement is required for each instance of the application being connected.

Install

Install is a copy or instance of the program in the enterprise.

Resource Value Unit

Resource Value Unit is a pricing charge metric for program license entitlements which is based upon the quantity of a specific designated measurement used for a given program. Refer to the Value Units definition.

Standby or backup systems

For programs running or resident on backup machines, IBM defines three types of situations: cold, warm and hot. In cold and warm situations, a separate entitlement for the copy on the backup machine is normally not required and typically no additional charge applies. In a hot backup situation, the customer needs to acquire other license or entitlements sufficient for that server. All programs running in

backup mode must be solely under the customer's control, even if running at another enterprise's location.

As a practice, the following are definitions and allowable actions concerning the copy of the program used for backup purposes.

Cold: A copy of the program may reside, for backup purposes, on a machine as long as the program is not started. There is no additional charge for this copy.

Warm: A copy of the program may reside for backup purposes on a machine and is started, but is idling, and is not doing any work of any kind. There is no additional charge for this copy.

Hot: A copy of the program may reside for backup purposes on a machine, is started, and is doing work. The customer must acquire a license or entitlements for this copy and there will generally be an additional charge.

Doing work includes, for example, production, development, program maintenance, and testing. It also could include other activities such as mirroring of transactions, updating of files, synchronization of programs, data or other resources (for example, active linking with another machine, program, database or other resource, and so on), or any activity or configurations that would allow an active hot switch or other synchronized switch over between programs, databases, or other resources to occur.

In the case of a program or system configuration that is designed to support a high availability environment by using various techniques (for example, duplexing, mirroring of files, or transactions, maintaining a heartbeat, active linking with another machine, program, database, or other resource), the program is considered to be doing work in the hot situation and a license or entitlement must be purchased.

Value Units

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

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

Product and licensing Web sites

A complete list of IBM Tivoli products is available at

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

IBM Tivoli product licensing documents are available at

<http://www.ibm.com/software/tivoli/products/licensing.html>

Passport Advantage

Through the Passport Advantage Agreement, you may receive discounted pricing based on their total volume of eligible products, across all IBM brands, acquired worldwide. The volume is measured by determining the total Passport Advantage

points value of the applicable acquisitions. Passport Advantage points are only used for calculating the Entitled Passport Advantage discount.

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

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

1. Analyze your environment to determine the number of charge units for a product. The quantity of each product's part numbers to be ordered is determined by that analysis.
2. Order the Passport Advantage part numbers. A Passport Advantage point value, which is the same worldwide for a specific part number regardless of where the order is placed, is assigned to each IBM Tivoli product part number. The Passport Advantage point value for the applicable part number, multiplied by the quantity for that part number, will determine the Passport Advantage points for that IBM Tivoli product part number. The sum of these Passport Advantage points determines the Passport Advantage point value of the applicable IBM Tivoli product authorizations which then may be aggregated with the point value of other applicable Passport Advantage product acquisitions to determine the total Passport Advantage points value.

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

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

For additional information on Passport Advantage, refer to the following

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

The following Passport Advantage part number categories may be orderable:

- License and Software Maintenance 12 Months - This is the product authorization with maintenance to the first anniversary date.
- Annual Software Maintenance Renewal - This is the maintenance renewal for one anniversary that applies when a customer renews their existing coverage period prior to the anniversary date at which it expires.
- Software Maintenance Reinstatement 12 months - This is for customers who have allowed their Software Maintenance to expire, and later wish to reinstate their Software Maintenance.
- Media packs - These are the physical media, such as CD-ROMs, that deliver the product's code.
- Documentation packs - These contain printed documentation such as the User's Guide and Release Notes.

Pricing information

IBM Tivoli Netcool/OMNIBus is priced using the following chargeable components and metrics:

- **Base per install** - Each application instance of an ObjectServer is considered a single installation.
- **Resource Value Unit (RVU) per tier** - RVU is a unit of measure based on the number of units of a specific resource used or managed. Licensee must obtain sufficient entitlements for the number of RVUs required for licensee's environment as specified in the table below. RVU entitlements are specific to the program and may not be exchanged, interchanged, or aggregated with RVU entitlements of another program. The unit of measure for this program is per tier described below:

- Event Device Tier
- Event Basic Device Tier
- Event EMS Tier
- Event Q3 EMS Tier

Event Device Tier - A Device in the context of the Event Device Tier is an element that has the capability to initiate a notification or respond to a request for notification. Examples include, but are not limited to, servers, routers, and switches.

Event Basic Device Tier - A Basic Device in the context of the Event Basic Device Tier is an infrastructure sensor or network Subscriber Unit that has the capability to initiate a notification or respond to a request for notification. Examples include, but are not limited to, point-of-sale terminals, printers, VoIP telephones, dslams, cable modems, and plant equipped with sensors for event notification.

Event EMS Tier - An EMS in the context of the Event EMS Tier is an instance of an Element Management System or application managed using generic technologies excluding applications used solely for consolidation of multiple data sources (for example, trap consolidation) where Device pricing is to be applied. Examples include third-party and vendor element management systems, Oracle, mainframe systems per 400 MSUs, and IBM Tivoli Monitoring only for the forwarding of situation events relating to performance data.

Event Q3 EMS Tier - A Q3 EMS in the context of the Event Q3 EMS Tier is an instance of an Element Management System interfaced to via the Q3 protocol.

To determine the number of RVUs applicable to licensee use of the program, licensee must multiply the number of managed entities in a tier by the applicable RVU Factors as follows:

A different RVU Factor applies to different number ranges of the managed entities. Apply an RVU Factor of:

- 1.0 to the range from 1 to 100
- 0.9 to the range from 101 to 250
- 0.8 to the range from 251 to 500
- 0.6 to the range from 501 to 750
- 0.5 to the range from 751 to 1,250
- 0.4 to the range from 1,251 to 2,000
- 0.3 to the range above 2,000

Pricing example

Customer installs 2 instances of the IBM Tivoli Netcool/OMNIBus ObjectServer, is managing 300 point-of-sale terminals, and 3 element management systems.

The customer requires the following:

- Quantity of 2 IBM Tivoli Netcool/OMNIBus Base Install (1 for each instance installed)
- Quantity of 3 IBM Tivoli Netcool/OMNIBus Event EMS Tier (3 instances multiplied by factor of 1.0)
- Quantity of 275 IBM Tivoli Netcool/OMNIBus Basic Device Tier (100 multiplied by factor of 1.0, added to 150 multiplied by a factor of 0.9, added to 50 multiplied by a factor of 0.8)

IBM Tivoli OMNIBus and Network Manager is priced using the following chargeable components and metrics:

- **Base per install** - Each application instance of an ObjectServer is considered a single installation.
- **Resource Value Unit (RVU) per tier** - RVU is a unit of measure based on the number of units of a specific resource used or managed. Licensee must obtain sufficient entitlements for the number of RVUs required for licensee's environment as specified in the table below. RVU entitlements are specific to the program

and may not be exchanged, interchanged, or aggregated with RVU entitlements of another program. The unit of measure for this program is per tier described below:

- Event Device Tier
- Event Basic Device Tier
- Event EMS Tier
- Event Q3 EMS Tier
- Network Device Tier
- Network Basic Device Tier
- Entry Tier

Event Device Tier or Network Device Tier - A Device in the context of the Event Device Tier or Network Device Tier is an element that has the capability to initiate a notification or respond to a request for notification. Examples include, but are not limited to, servers, routers, and switches.

Event Basic Device Tier or Network Basic Device Tier - A Basic Device in the context of the Event Basic Device Tier or Network Basic Device Tier is an infrastructure sensor or network Subscriber Unit that has the capability to initiate a notification or respond to a request for notification. Examples include, but are not limited to, point-of-sale terminals, printers, VoIP telephones, dslams, cable modems, and plant equipped with sensors for event notification.

Event EMS Tier - An EMS in the context of the Event EMS Tier is an instance of an Element Management System or application managed using generic technologies excluding applications used solely for consolidation of multiple data sources (for example, trap consolidation) where Device pricing is to be applied. Examples include third-party and vendor element management systems, Oracle, mainframe systems per 400 MSUs, and IBM Tivoli Monitoring only for the forwarding of situation events relating to performance data.

Event Q3 EMS Tier - A Q3 EMS in the context of the Event Q3 EMS Tier is an instance of an Element Management System interfaced to via the Q3 protocol.

Entry Tier - The Entry Tier provides Event and Network Management for a device.

Licensee may purchase RVUs to entitle management of a maximum of 1,000 devices at the Entry Tier.

To determine the number of RVUs applicable to licensee use of the program, licensee must multiply the number of managed entities in a tier by the applicable RVU Factors as follows:

A different RVU Factor applies to different number ranges of the managed entities. Apply an RVU Factor of:

- 1.0 to the range from 1 to 100
- 0.9 to the range from 101 to 250
- 0.8 to the range from 251 to 500
- 0.6 to the range from 501 to 750
- 0.5 to the range from 751 to 1,250
- 0.4 to the range from 1251 to 2,000
- 0.3 to the range above 2,000

Ordering information

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

Product group: Network Management & Performance
Product Identifier Description (PID)
IBM Tivoli OMNIbus and Network Manager (5724w11)

Product category: Systems and Asset Management

Product group: Network Management & Performance
Product Identifier Description (PID)
IBM Tivoli Netcool/OMNIBus (5724S44)

Product category: Systems and Asset Management

The programs in this announcement all have Value Unit-Based pricing.

Program number	Program name	Value unit exhibit
5724-w11	IBM Tivoli OMNIBus and Network Manager	VUE002
5724-S44	IBM Tivoli Netcool/OMNIBus	VUE002

Value Unit exhibit VUE002

Usage level	Minimum	Maximum	Value Units x uses
1	1	100	1.0
2 (minimum)	101	250	0.9
3	251	500	0.8
4	501	750	0.6
5	751	1,250	0.5
6	1,251	2,000	0.4
7	2,000	and above	0.3
8			
9			
10 (maximum)			

Passport Advantage trade up

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

Precursor product	Trade-up product	Trade-up part number
TIVOLI ENTERPRISE CONSOLE	IBM TIVOLI OMNIBUS AND NETWORK MANAGER V8.2	D0B8KLL, D0B8RLL, D0B8YLL, D0B93LL, D0B9PLL, D0B9SLL, D0BAFLL, D0BAQLL, D0BTLL, D0BTXLL
TIVOLI ENTERPRISE CONSOLE	IBM TIVOLI NETCOOL/OMNIBus V7.3	D0BAVLL, D0BB1LL, D0BB7LL, D0BBILL, D0BN4LL, D0BN7LL, D0BV5LL, D0BV6LL
TIVOLI NETVIEW	IBM TIVOLI OMNIBUS AND NETWORK MANAGER V8.2	D0B8LLL, D0B8SLL, D0BAGLL, D0BARLL, D0BTULL, D0BTYLL

Consult your IBM representative if you have any questions.

Passport Advantage customer: Media pack entitlement details

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

5724-W11 IBM Tivoli OMNIBus and Network Manager V8.2

Media packs description	Part number
IBM Tivoli OMNIBus and Network Manager Base Multiplatform Multilingual Media Pack	BJ0TCML
Tivoli OMNIBus and Network Mgr Event Q3 Tier per RVU Multiplatform English Media Pack	BJ0TGEN

5724-S44 IBM Tivoli Netcool/OMNIBus V7.3

Media packs description	Part number
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IBM Tivoli Netcool/OMNIBus Base per Install FOR MULTIPLATFORMS MULTILILINGUAL CD ROM MEDIA PACK	BP014ML
Tivoli Netcool OMNIBus V7.3 Event Q3 Tier per RVU FOR MULTIPLATFORMS ENGLISH CD ROM 128 BIT ENCRYPTION MEDIA PACK	BP018EN

Current licensees

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

New licensees

Orders for new licenses will be accepted now.

Shipment will begin on the planned availability date.

Basic license

Ordering information for Passport Advantage

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

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

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

5724-W11 IBM Tivoli OMNIBus and Network Manager V8.2

Base

Description	Part number
Base Install	
License + SW Subscription & Support 12 Months	D0BTRLL
SW Subscription & Support Renewal	E087VLL
SW Subscription & Support Reinstatement 12 Months	D0BTSLL
Base Install Trade Up from Enterprise Console	
License + SW Subscription & Support 12 Months	D0BTLL
Base Install Trade Up From Tiv Netview	
License + SW Subscription & Support 12 Months	D0BTULL
Base zLinux Install	
License + SW Subscription & Support 12 Months	D0BTVLL
SW Subscription & Support Reinstatement 12 Months	D0BTWLL
SW Subscription & Support Renewal	E087WLL
Base zLinux Install Trade Up from Tiv Enterprise Console	
License + SW Subscription & Support 12 Months	D0BTXLL
Base zLinux Install Trade Up from Tiv Netview	
License + SW Subscription & Support 12 Months	D0BTYLL

Entry Tier

Description	Part number
ENTRY TIER PER RESOURCE VALUE UNIT License + SW Subscription & Support 12 Months	D0B8ILL
SW Subscription & Support Reinstatement 12 Months	D0B8JLL
SW Subscription & Support Renewal	E07V0LL
ENTRY TIER PER RESOURCE VALUE UNIT TRADE UP from Tivoli Enterprise Console License + SW Subscription & Support 12 Months	D0B8KLL
ENTRY TIER PER RESOURCE VALUE UNIT TRADE UP from Tiv Netview License + SW Subscription & Support 12 Months	D0B8LLL
ENTRY TIER PER RESOURCE VALUE UNIT for zLINUX License + SW Subscription & Support 12 Months	D0B8PLL
SW Subscription & Support Reinstatement 12 Months	D0B8QLL
SW Subscription & Support Renewal	E07V2LL
ENTRY TIER PER RESOURCE VALUE UNIT for zLINUX TRADE UP from Tivoli Enterprise Console License + SW Subscription & Support 12 Months	D0B8RLL
ENTRY TIER PER RESOURCE VALUE UNIT for zLINUX TRADE UP from Tivoli Netview License + SW Subscription & Support 12 Months	D0B8SLL

Basic Device Tier

Description	Part number
BASIC DEVICE TIER PER RESOURCE VALUE UNIT License + SW Subscription & Support 12 Months	D0B97LL
SW Subscription & Support Renewal	E07V6LL
SW Subscription & Support Reinstatement 12 Months	D0B98LL
BASIC DEVICE TIER RESOURCE VALUE UNIT TRADE UP from Tivoli Enterprise Console License + SW Subscription & Support 12 Months	D0B99LL
BASIC DEVICE TIER PER RESOURCE VALUE UNIT FOR zLINUX License + SW Subscription & Support 12 Months	D0B9FLL
SW Subscription & Support Renewal	E07V8LL
SW Subscription & Support Reinstatement 12 Months	D0B9GLL
BASIC DEVICE TIER PER RESOURCE VALUE UNIT for zLINUX TRADE UP from Tivoli Enterprise Console License + SW Subscription & Support 12 Months	D0B9HLL

Event Device Tier

Description	Part number
EVENT DEVICE TIER RESOURCE VALUE UNIT License + SW Subscription & Support 12 Months	D0B8WLL
SW Subscription & Support Renewal	E07V3LL
SW Subscription & Support Reinstatement 12 Months	D0B8XLL
EVENT DEVICE TIER RESOURCE VALUE UNIT TRADE UP from Tivoli Enterprise Console License + SW Subscription & Support 12 Months	D0B8YLL
EVENT DEVICE TIER PER RESOURCE VALUE UNIT for zLINUX License + SW Subscription & Support 12 Months	D0B91LL
SW Subscription & Support Renewal	E07V4LL
SW Subscription & Support Reinstatement 12 Months	D0B92LL
EVENT DEVICE TIER PER RESOURCE VALUE UNIT for zLINUX TRADE UP from Tivoli Enterprise Console	D0B93LL

Event EMS Q3 Tier

Description	Part number
EVENT EMS Q3 TIER PER RESOURCE VALUE UNIT License + SW Subscription & Support 12 Months	D0BN9LL
SW Subscription & Support Renewal	E085HLL
SW Subscription & Support Reinstatement 12 Months	D0BNALL
EVENT EMS Q3 TIER PER RESOURCE VALUE UNIT TRADE UP from Tivoli Enterprise Console License + SW Subscription & Support 12 Months	D0BNBLL
EVENT EMS Q3 TIER PER RESOURCE VALUE UNIT for zLINUX License + SW Subscription & Support 12 Months	D0BNCLL
SW Subscription & Support Renewal	E085ILL
SW Subscription & Support Reinstatement 12 Months	D0BNDLL
EVENT EMS Q3 TIER PER RESOURCE VALUE UNIT for zLINUX TRADE UP from Tivoli Enterprise Console License + SW Subscription & Support 12 Months	D0BNELL

Event EMS Tier

Description	Part number
EVENT EMS TIER PER RESOURCE VALUE UNIT License + SW Subscription & Support 12 Months	D0B9LLL
SW Subscription & Support Renewal	E07VBLL
SW Subscription & Support Reinstatement 12 Months	D0B9NLL
EVENT EMS TIER PER RESOURCE VALUE UNIT TRADE UP from Tivoli Enterprise Console License + SW Subscription & Support 12 Months	D0B9PLL
EVENT EMS TIER PER RESOURCE VALUE UNIT for zLINUX License + SW Subscription & Support 12 Months	D0B9QLL
SW Subscription & Support Renewal	E07VCLL
SW Subscription & Support Reinstatement 12 Months	D0B9RLL
EVENT EMS TIER PER RESOURCE VALUE UNIT for zLINUX TRADE UP from Tivoli Enterprise Console License + SW Subscription & Support 12 Months	D0B9SLL

Network Basic Device Tier

Description	Part number
NETWORK BASIC DEVICE TIER PER RESOURCE VALUE UNIT License + SW Subscription & Support 12 Months	D0BA5LL
SW Subscription & Support Renewal	E07VJLL
SW Subscription & Support Reinstatement 12 Months	D0BA6LL
NETWORK BASIC DEVICE TIER PER RESOURCE VALUE UNIT TRADE UP from Tivoli Enterprise Console License + SW Subscription & Support 12 Months	D0BA7LL
NETWORK BASIC DEVICE TIER PER RESOURCE VALUE UNIT TRADE UP from Tivoli Netview License + SW Subscription & Support 12 Months	D0BA8LL
NETWORK BASIC DEVICE TIER PER RESOURCE VALUE UNIT for zLINUX License + SW Subscription & Support 12 Months	D0BA9LL
SW Subscription & Support Renewal	E07VKLL
SW Subscription & Support Reinstatement 12 Months	D0BAALL
NETWORK BASIC DEVICE TIER PER RESOURCE VALUE UNIT for zLINUX TRADE UP from Tivoli Enterprise Console License + SW Subscription & Support 12 Months	D0BABLL
NETWORK BASIC DEVICE TIER PER RESOURCE VALUE UNIT for zLINUX TRADE UP from Tivoli Netview	

License + SW Subscription & Support 12 Months	D0BACLL
Network Device Tier	

Description	Part number
NETWORK DEVICE TIER PER RESOURCE VALUE UNIT	
License + SW Subscription & Support 12 Months	D0BADLL
SW Subscription & Support Renewal	E07VLLL
SW Subscription & Support Reinstatement 12 Months	D0BAELL
NETWORK DEVICE TIER PER RESOURCE VALUE UNIT TRADE UP from Tivoli Enterprise Console	
License + SW Subscription & Support 12 Months	D0BAFLL
NETWORK DEVICE TIER PER RESOURCE VALUE UNIT TRADE UP from Tivoli Netview	
License + SW Subscription & Support 12 Months	D0BAGLL
NETWORK DEVICE TIER PER RESOURCE VALUE UNIT for zLINUX	
License + SW Subscription & Support 12 Months	D0BANLL
SW Subscription & Support Renewal	E07VQLL
SW Subscription & Support Reinstatement 12 Months	D0BAPLL
NETWORK DEVICE TIER PER RESOURCE VALUE UNIT for zLINUX TRADE UP from Tivoli Enterprise Console	
License + SW Subscription & Support 12 Months	D0BAQLL
NETWORK DEVICE TIER PER RESOURCE VALUE UNIT for zLINUX TRADE UP from Tivoli Netview	
License + SW Subscription & Support 12 Months	D0BARLL

5724-S44 IBM Tivoli Netcool/OMNibus V7.3

Base

Description	Part number
BASE PER INSTALL	
License + SW Subscription & Support 12 Months	D0BU9LL
SW Subscription & Support Renewal	E0882LL
SW Subscription & Support Reinstatement 12 Months	D0BUALL
BASE PER INSTALL TRADE UP FROM TIVOLI ENTERPRISE CONSOLE	
License + SW Subscription & Support 12 Months	D0BV6LL
BASE PER INSTALL FOR LINUX ON SYSTEM Z	
License + SW Subscription & Support 12 Months	D0BUBLL
SW Subscription & Support Renewal	E0883LL
SW Subscription & Support Reinstatement 12 Months	D0BUCLL
BASE PER INSTALL FOR LINUX ON SYSTEM Z TRADE UP FROM TIVOLI ENTERPRISE CONSOLE	
License + SW Subscription & Support 12 Months	D0BV5LL

Basic Device Tier

Description	Part number
BASIC DEVICE TIER PER RESOURCE VALUE UNIT	
License + SW Subscription & Support 12 Months	D0B7BLL
SW Subscription & Support Renewal	E07UJLL
SW Subscription & Support Reinstatement 12 Months	D0B7CLL
BASIC DEVICE TIER PER RESOURCE VALUE UNIT FOR LINUX ON SYSTEM Z	
License + SW Subscription & Support 12 Months	D0B7LLL
SW Subscription & Support Renewal	E07UPLL
SW Subscription & Support Reinstatement 12 Months	D0B7MLL

Event Device Tier

Description	Part number
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EVENT DEVICE TIER PER RESOURCE VALUE UNIT	
License + SW Subscription & Support 12 Months	D0B8GLL
SW Subscription & Support Renewal	E07UZLL
SW Subscription & Support Reinstatement 12 Months	D0B8HLL

EVENT DEVICE TIER PER RESOURCE VALUE UNIT TRADE UP FROM TIVOLI ENTERPRISE CONSOLE	
License + SW Subscription & Support 12 Months	D0BAVLL

EVENT DEVICE TIER PER RESOURCE VALUE UNIT FOR LINUX ON SYSTEM Z	
License + SW Subscription & Support 12 Months	D0B8MLL
SW Subscription & Support Renewal	E07V1LL
SW Subscription & Support Reinstatement 12 Months	D0B8NLL

EVENT DEVICE TIER PER RESOURCE VALUE UNIT FOR LINUX ON SYSTEM Z TRADE UP FROM TIVOLI ENTERPRISE CONSOLE	
License + SW Subscription & Support 12 Months	D0BB1LL

Event EMS Q3 Tier

	Part number
Description	

EVENT EMS Q3 TIER PER RESOURCE VALUE UNIT	
License + SW Subscription & Support 12 Months	D0BN2LL
SW Subscription & Support Renewal	E085FLL
SW Subscription & Support Reinstatement 12 Months	D0BN3LL

EVENT EMS Q3 TIER PER RESOURCE VALUE UNIT FROM TIVOLI ENTERPRISE CONSOLE	
License + SW Subscription & Support 12 Months	D0BN4LL

EVENT EMS Q3 TIER PER RESOURCE VALUE UNIT FOR LINUX ON SYSTEM Z	
License + SW Subscription & Support 12 Months	D0BN5LL
SW Subscription & Support Renewal	E085GLL
SW Subscription & Support Reinstatement 12 Months	D0BN6LL

EVENT EMS Q3 TIER PER RESOURCE VALUE UNIT FOR LINUX ON SYSTEM Z TRADE UP FROM TIVOLI ENTERPRISE CONSOLE	
License + SW Subscription & Support 12 Months	D0BN7LL

Event EMS Tier

	Part number
Description	

EVENT EMS TIER PER RESOURCE VALUE UNIT	
License + SW Subscription & Support 12 Months	D0B9KLL
SW Subscription & Support Renewal	E07VALL
SW Subscription & Support Reinstatement 12 Months	D0B9MLL

EVENT EMS TIER PER RESOURCE VALUE UNIT FROM TIVOLI ENTERPRISE CONSOLE	
License + SW Subscription & Support 12 Months	D0BB7LL

EVENT EMS TIER PER RESOURCE VALUE UNIT FOR LINUX ON SYSTEM Z	
License + SW Subscription & Support 12 Months	D0B9TLL
SW Subscription & Support Renewal	E07VDLL
SW Subscription & Support Reinstatement 12 Months	D0B9ULL

EVENT EMS TIER PER RESOURCE VALUE UNIT FOR LINUX ON SYSTEM Z TRADE UP FROM TIVOLI ENTERPRISE CONSOLE	
License + SW Subscription & Support 12 Months	D0BBILL

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

5724-W11 IBM Tivoli OMNibus and Network Manager V8.2

Part number	Description
BJ0TCML	IBM Tivoli OMNibus and Network Manager V8.2 BASE MULTILINGUAL MEDIA PACK
BJ0TGEN	IBM Tivoli OMNibus and Network Manager V8.2 EVENT EMS Q3 TIER MULTIPLATFORM ENGLISH MEDIA PACK

5724-S44 IBM Tivoli Netcool/OMNIBus V7.3

Part number	Description
BP014ML	IBM Tivoli Netcool/OMNIBus Base V7.3 BASE FOR MULTIPLATFORMS V7.3 MULTILINGUAL CD ROM 128 BIT ENCRYPTION MEDIA PACK
BP018EN	IBM Tivoli Netcool/OMNIBus V7.3 EVENT EMS Q3 TIER FOR MULTIPLATFORMS V7.3 ENGLISH CD ROM 128 BIT ENCRYPTION MEDIA PACK

Terms and conditions

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

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

Licensing

IBM International Program License Agreement including the License Information document and Proof of Entitlement (PoE) govern your use of the program. PoEs are required for all authorized use. Part number products only, offered outside of Passport Advantage, where applicable, are license only and do not include Software Maintenance.

This software license includes Software Subscription and Support (also referred to as Software Maintenance).

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

License Information form number

IBM Tivoli OMNIBus and Network Manager V8.2 - L-DWIN-7V2DNY

IBM Tivoli Netcool/OMNIBus V7.3 - L-DWIN-7U5KUG

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

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

Limited warranty applies

Yes

Limited warranty

IBM warrants that when the program is used in the specified operating environment, it will conform to its specifications. The warranty applies only to the unmodified

portion of the program. IBM does not warrant uninterrupted or error-free operation of the program or that IBM will correct all program defects. You are responsible for the results obtained from the use of the program.

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

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

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

Program technical support

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

Money-back guarantee

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

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

Authorization for use on home/portable computer

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

Other terms

Volume orders (IVO)

No

IBM International Passport Advantage Agreement

Passport Advantage applies

Yes, and through the Passport Advantage Web site at

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

Software Subscription and Support (Software Maintenance) applies

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

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

While your Software Subscription and Support (Software Maintenance) is in effect, IBM provides you assistance for your routine, short duration installation and usage (how-to) questions, and code-related questions. IBM provides assistance via

telephone and, if available, electronic access, only to your information systems (IS) technical support personnel during the normal business hours (published prime shift hours) of your IBM support center. (This assistance is not available to your end users.) IBM provides Severity 1 assistance 24 hours a day, 7 days a week. For additional details, consult your IBM Software Support Handbook at

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

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

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

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

System i Software Maintenance applies

No

Variable charges apply

No

Educational allowance available

Not applicable.

IBM Electronic Services

IBM has transformed its delivery of hardware and software support services to help you achieve higher system availability. Electronic Services is a Web-enabled solution that offers an exclusive, no-additional-charge enhancement to the service and support available for IBM servers. These services are designed to provide the opportunity for greater system availability with faster problem resolution and preemptive monitoring. Electronic Services comprises two separate, but complementary, elements: Electronic Services news page and Electronic Services Agent.

The Electronic Services news page is a single Internet entry point that replaces the multiple entry points traditionally used to access IBM Internet services and support. The news page enables you to gain easier access to IBM resources for assistance in resolving technical problems.

The Electronic Service Agent™ is no-additional-charge software that resides on your server. It monitors events and transmits system inventory information to IBM on a periodic, client-defined timetable. The Electronic Service Agent automatically reports hardware problems to IBM. Early knowledge about potential problems enables IBM to deliver proactive service that may result in higher system availability and performance. In addition, information collected through the Service Agent is made available to IBM service support representatives when they help answer your questions or diagnose problems. Installation and use of IBM Electronic Service Agent for problem reporting enables IBM to provide better support and service for your IBM server.

To learn how Electronic Services can work for you, visit

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

Prices

Information on charges is available at Web site

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

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Passport Advantage

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