

IBM Netcool Operations Insight V1.2, IBM Tivoli Netcool/OMNIBus V8.1, and IBM Netcool/Impact V7.1 bring new insights enabling more effective IT and network operations

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At a glance

IBM^(R) Netcool^(R) Operations Insight V1.2, includes new releases of IBM Tivoli^(R) Netcool/OMNIBus and IBM Tivoli Netcool/Impact that are extended with the network management capabilities of IBM Tivoli Netcool Network Manager and IBM Tivoli Configuration Manager.

The new release:

- Provides deeper operational insight across the IT and network infrastructure driving further efficiencies for more agile and leaner operations.
- Allows unique visibility into time based patterns affecting system health, enabling proactive actions to reduce recurring problems for greater operational efficiency.
- Brings operational visibility to the business providing dynamic incident and service information to key stake holders through IBM Connections.
- Extends event reduction and correlation capabilities with network discovery and topology based root-cause analysis.
- Enables network configuration and compliance helping identification and recovery of network change related incidents.
- Consolidates operations tools into intuitive customizable event and business-oriented views, with new thin client capabilities and enhanced self-service dashboards.
- Enables faster problem identification, reduced time to resolution, and enhanced service levels resulting in improved productivity and lower operational costs.

Overview

IBM Netcool Operations Insight V1.2 combines the market-leading real-time event consolidation and correlation capabilities of IBM Tivoli Netcool/OMNIBus and the transformative power of IT operations analytics extended to cover the application logs of Netcool Operations Insight. It also covers up to 2GB of data from other applications, for example, monitoring data, trouble tickets, and support documentation, to further provide operations with context and insight to increase operational agility and operational efficiency.

New event seasonality analysis assists in detecting regularly occurring events, enabling more proactive automation and resolution. Version 1.2 also provides real-time enrichment and sophisticated correlation to enable agile responses to alerts raised across disparate systems, including application topology. Enablement of social media interactions from within the system helps extend operational visibility to the

business by providing dynamic incident and service information to key stake holders through IBM Connections.

IBM Netcool Operations Insight includes an optional feature for cost effective network discovery, visualization, event correlation and root-cause analysis, configuration and compliance management to enable service assurance of dynamic network infrastructures. These tightly integrated capabilities bring the power of IBM Tivoli Network Manager IP Edition and IBM Tivoli Netcool Configuration Manager directly to IBM Netcool Operations Insight users.

The strong event correlation and analysis functionality, coupled with rapid deployment, ease of use, high resilience, and exceptional scalability and performance, rapidly delivers a holistic view of operations across the entire managed infrastructure with actionable information into business impacting problems. With the resulting consolidated information, an organization can manage business-critical problems faster, contributing to significantly better business outcomes.

IBM Tivoli Netcool/OMNIBus V8.1 includes the following key enhancements:

- Richer user experience with new look and feel for data integration at the dashboard.
- Improved thin client capability with the addition of tools making the Event Viewer suitable for a significant number of users as an alternative to the Java™ Active Event List.
- Stronger and more flexible data segregation by user and group for multitenant environments.
- Enhanced configuration and data feeds extending support for the W3C Open Services for Lifecycle Collaboration (OSLC) integration capability that may be exploited by IBM, partners, customers and third-party OSS providers.
- Lower cost of ownership through:
 - Improved installation and maintenance process with IBM Installation Manager
 - Enhanced centralized probe configuration
 - Flexible dashboard creation and customization
 - Reduced dependency on Java Runtime Environment (JRE) downloads
 - Self-monitoring dashboards for performance management of the Netcool/OMNIBus applications

IBM Tivoli Netcool/Impact V7.1 includes the following key enhancements

- Faster install time with IBM Installation Manager: Installs in less than 20 minutes.
- Event isolation and correlation: Take action on correlated events based on discovered application topology.
- Visualization: Seamless navigation between policies, data model, services; improved status and percentage displays.
- Email notification add-on: Simpler, GUI-based configuration of email notifications.
- Policy management: Enhanced policy logging and debugging.

Key prerequisites

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

Planned availability date

June 12, 2014: Electronic software delivery
July 01, 2014: DVD media

Description

IBM Netcool Operations Insight delivers operations teams with operational insights by leveraging alarm and alert analytics, combined with broader historic data analytics, to drive efficiencies for more agile and leaner operations. This offering, powered by the market-leading fault management capabilities of IBM Tivoli Netcool/OMNIbus and IBM SmartCloud^(R) Analytics - Log Analysis, provides powerful event search and analytic capability, combined with purpose built alarm and alert analytics, unified multisolution dashboards, and richer standard capabilities, all in a single solution.

IBM Netcool Operations Insight helps operation teams in business enterprises and service providers to understand:

- What is the status of my operation across all of my operations tools and domains?
- How can I quickly identify problems across my entire infrastructure, regardless of how they are monitored?
- I want to improve my operations monitoring environment by reducing the noise in the system.
- What part of my infrastructure can be more efficient and less costly?
- How can I move beyond reactive problem remediation to identify reoccurring problems in order to become more efficient?
- Are there hard to detect problems that reoccur on a regular basis that are impacting my operations efficiency?

IBM Netcool Operations Insight enables operations in business enterprises and communication service providers that are looking to:

- Increase operational agility: By leveraging real time analytics to identify emerging problems enabling proactive resolution.
- Improve operational efficiency: By applying in context search and event analytics to evaluate historical events to gain actionable insight for problem identification and isolation.
- Increase service availability: By leveraging real-time analytics to reduce noise and prioritize most critical events and alarms for faster incident resolution.
- Integrate their problem detection with social media.
- Manage an ever increasing breadth of systems as an integrated whole.
- Combine rich problem management with a deep control of their network infrastructure.

IBM Netcool Operations Insight V1.2 delivers:

- New correlation engine enhancements, as well as a reduction in dependency on Java Runtime Environment plug-ins. This is enabled through actions on the event viewer and, therefore, provides an event list replacement for majority of users.
- Integration with IBM Connections providing updates of operations status to key stake holders.
- Dashboard Application Services Hub (DASH) deployment of all event management GUI components as well as a new approach to installation of IBM Tivoli Netcool/OMNIbus and IBM Tivoli Netcool/Impact, resulting in a significantly improved experience for the user unfamiliar with networks.
- An update of new integrations delivering updated version support for key enterprise and Communication Service Provider systems, including the latest version of the Alcatel Lucent (ALU) 5620.

IBM Tivoli Netcool/OMNIbus V8.1 helps organizations maximize service availability, providing market-leading event consolidation, correlation, and analysis capability across the broadest range of today's dynamic infrastructures.

IBM Tivoli Netcool/Impact V7.1 provides a flexible, dynamic, common platform for real-time data access that can more easily circumvent traditional organizational boundaries. Armed with data from virtually any data source, administrators

can correlate, calculate, enrich, deliver, visualize, and perform a wide range of automated actions.

Accessibility by people with disabilities

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

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

Reference information

For more information about IBM Netcool Operations Insight V1.1, refer to Software Announcement [ZP14-0091](#), dated February 25, 2014.

For more information about IBM Tivoli Netcool/OMNIBus V7.4, refer to Software Announcement [ZP12-0576](#), dated November 27, 2012.

For more information about IBM Tivoli Netcool/Impact V6.1.1, refer to Software Announcement [ZP13-0084](#), dated March 05, 2013.

Program number

Program number	VRM	Program name
5725-Q09	1.2.0	IBMNetcool Operations Insight
5724-S44	8.1.0	IBMTivoli Netcool/OMNIBus
5724-S43	7.1.0	IBMTivoli Netcool/Impact

Education support

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

For additional information, visit

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

Offering Information

Product information is available via the Offering Information website

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

Also, visit the Passport Advantage^(R) website

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

Publications

For these products, no printed publications are shipped with the product. The following publications will only be available in PDF format and may be downloaded on the planned availability date, June 12, 2014. Refer to the Knowledge Center to download the PDF guides:

- **IBM Netcool Operations Insight V1.2**

- Quick Start Guide
- Integration Guide
- <http://www-01.ibm.com/support/knowledgecenter/SSTPTP/welcome>
- **IBM Tivoli Netcool/OMNIBus V8.1**
 - Installation and Deployment Guide
 - Administration Guide
 - Probe & Gateway Guide
 - Event Integration Facility Reference
 - Release Notes
 - HTTP Interface Reference
 - OSLC Interface Reference
 - Web GUI Administration and User's Guide
 - Web GUI Administration API (WAAPI) User's Guide
 - <http://www-01.ibm.com/support/knowledgecenter/SSSHTQ/landingpage/NetcoolOMNIBus.html>
- **IBM Tivoli Netcool/Impact V7.1**
 - Quick Start Guide
 - Administration Guide
 - Solutions Guide
 - Policy Reference Guide
 - User Interface Guide
 - DSA Reference Guide
 - Operator View Guide
 - Release Notes
 - <http://www-01.ibm.com/support/knowledgecenter/SSSHYH/welcome>
- **IBM SmartCloud[®] Analytics - Log Analysis**
 - Installation and Administration Guide
 - User's Guide
 - Troubleshooting Guide
 - Extending Guide
 - Quick Start Guide
 - <http://www-01.ibm.com/support/knowledgecenter/SSPFMY/welcome>
- **IBM Tivoli Network Manager IP Edition V4.1.1**
 - Quick Start Guide
 - Product Overview
 - Installation and Configuration Guide
 - Getting Started Guide
 - Administration Guide
 - Discovery Guide
 - Event Management Guide
 - Network Visualization Setup Guide
 - Topology Database Reference
 - Network Troubleshooting Guide
 - Management Database Reference
 - Language Reference
 - Perl API Guide
 - IBM Tivoli Monitoring for Tivoli Network Manager IP User's Guide

- Release Notes

http://www-01.ibm.com/support/knowledgecenter/SSSHRK_4.1.0/itm/ip/wip/common/reference/nmip_ref_pdfbookset.html

- **IBM Tivoli Netcool Configuration Manager V6.4.1**

- Quick Start Guide
- Installation and Configuration Guide
- User Guide
- Administration Guide
- Reference Guide
- API Guide
- NSM REST API Guide
- Integration Guide
- Quick Start Guide
- Release Notes
- Drivers 18 Release Notes

http://www-01.ibm.com/support/knowledgecenter/SS7UH9_6.4.1/com.ibm.netcool_configurationmgr.doc_6.4.1/ncm/wip/common/reference/ncm_ref_PDFdocset.html

Technical information

Specified operating environment

Hardware requirements

Go to the following website and select "Hardware requirements" and then select the information needed under the product version.

<http://publib.boulder.ibm.com/infocenter/prodguid/v1r0/clarity/index.jsp>

Software requirements

Go to the following website and select "Detailed system requirements" and then select the information needed under the product version.

<http://publib.boulder.ibm.com/infocenter/prodguid/v1r0/clarity/index.jsp>

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.

Performance considerations

IBM Netcool Operations Insight V1.2 with IBM DB2[®] offers significantly increased data protection, scalability and performance for its external database intensive operations that are based on IBM DB2 technology which is designed to manage data more effectively and efficiently. Greater availability is delivered through enhancements such as online, automated database reorganization. In addition, the increased scalability and the ability to leverage the latest in server technology helps deliver increased performance of backup and recovery processes.

IBM Electronic Support

The IBM Support Portal is your gateway to technical support. This includes IBM Electronic Support tools and resources, for software and hardware, to help save time and simplify support. The Electronic Support tools can help you find answers to questions, download fixes, troubleshoot, automate data collection, submit and track problems through the Service Request online tool, and build skills. All these tools are made available through your IBM support agreement, at no additional charge. Read about the Electronic Support portfolio of tools

<http://ibm.com/electronicssupport>

Access the IBM Support Portal

<http://ibm.com/support>

Access the online Service Request tool

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

Planning information

Packaging

The products in the announcement are distributed with:

- International Program License Agreement (Z125-3301)
- License Information document
- Publications (refer to the [Publications](#) section)

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

Security, auditability, and control

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

Global Technology Services

Contact your IBM representative for the list of selected services available in your country, either as standard or customized offerings for the efficient installation, implementation, or integration of this product.

Licensing metric definitions and pricing examples

Licensing metric definitions for IBM Netcool Operations Insight

IBM Netcool Operations Insight V1.2 is entitled using the following metric definitions.

Managed Virtual Server

Licensee must obtain entitlement for each Virtual Server managed by the program regardless of any intermediate consolidation application. An unpartitioned physical server counts as a single virtual server. Examples of servers include, but are not limited to, servers, logical partitions, and Integrated Facility for Linux™ (IFL) processors.

Managed Virtual Network Device

Licensee must obtain entitlement for each Virtual Network Device managed by the program regardless of any intermediate consolidation application. An unpartitioned physical device counts as a single virtual Network Device. Examples of Network Device include, but are not limited to, switches, routers, bridges, hubs, and firewalls.

Managed Client Device

Licensee must obtain entitlement for each Client Device managed by the program regardless of any intermediate consolidation application. Examples of Client Device include, but are not limited to, actuators, appliances, automated teller machines, automatic meter readers, cash registers, disk drives, desktop computers, kiosks, notebook computers, personal digital assistant, point-of-sale terminals, sensors, smart meters, tape drives, technical workstations printers, VoIP telephones, dsl modems, cable modems, and assets such as production equipment, facilities-related items, and transportation-related items.

IBM Netcool Operations Insight is priced using the above metrics applied to the following components.

IBM Netcool Operations Insight Operations Management

The IBM Netcool Operations Insight Operations Management component is entitled by Managed Virtual Server, Managed Virtual Network Device, and Managed Client Device. The licensee must obtain entitlement for each Virtual Server, Virtual Network Device and Client Device managed by the program where the Insight functionality is required. This covers event management, enrichment, event search and seasonality.

IBM Netcool Operations Insight Network Management

The IBM Netcool Operations Insight Network Management component This part is entitled by Managed Virtual Server, Managed Virtual Network Device, and Managed Client Device. The licensee must obtain entitlement for each Virtual Server, Virtual Network Device and Client Device managed by the program where Network Management functionality is required. This covers discovery, polling and configuration management.

IBM Netcool Operations Insight Connection

Each instance of an application or system integrated with the program for purposes other than event collection is considered to be a Connection. Examples include, but are not limited to, use of the program's gateways, data source adaptors, or API for the purposes for event archive, integration with Trouble Ticketing, and other Operational Support Systems.

Integrations to the licensee's IBM Cloud and Smarter Infrastructure applications, excluding SmartCloud Orchestrator, or the forwarding of current active data for display in user interfaces are not counted.

The program has embedded high availability and is licensed solely on the basis of the environment managed. For the avoidance of doubt this means that no additional entitlements are required to entitle high availability.

Use of IBM SmartCloud Analytics - Log Analysis is limited to the processing of events managed by the program and the application log files generated by the program. Search of additional data types (for example, trouble tickets, third-party logs, and support documentation) is also entitled for 2 Gb per day averaged over 30 days. Separate entitlement is required for any other use of IBM SmartCloud Analytics - Log Analysis.

Where IBM DB2 is entitled for limited use by the supporting programs of Netcool Operations Insight, licensee may leverage a common DB2 install for the supporting programs within the terms of the restricted use licenses.

IBM Tivoli Netcool/OMNIBus V8.1 is entitled using the following metric definitions.

Application Instance

Application Instance is a unit of measure by which the program can be licensed. An entitlement is required for each instance of an application connected to or managed by the program. An application in a test, development, staging, or production environment is each considered to be a separate instance of the application and each must have an entitlement. As well, multiple application instances in a single environment are each considered to be separate instances of the application and each must have an entitlement.

Connection

Connection is a unit of measure by which the program can be licensed. A Connection is a link or association of a database, application, server, or any other type of device to the program. Licensee must obtain entitlements for the total number of Connections which have been or are made to the program.

Install

Install is a unit of measure by which the program can be licensed. An Install is an installed copy of the program on a physical or virtual disk made available to be executed on a computer. Licensee must obtain an entitlement for each Install of the program.

Resource Value Unit (RVU)

RVU is a unit of measure by which the program can be licensed. RVU Proofs of Entitlement (PoEs) are based on the number of units of a specific resource used or managed by the program. Licensee must obtain sufficient entitlements for the number of RVUs required for licensee's environment for the specific resources as specified in the table below. RVU entitlements are specific to the program and the type of resource and may not be exchanged, interchanged, or aggregated with RVU entitlements of another program or resource.

Instead of the entitlements required for the resources used by the program directly, Licensee must obtain entitlements for this program sufficient to cover the resources managed by the program.

IBM Tivoli Netcool/OMNIBus is entitled using the following chargeable components and metrics.

1. The following programs are licensed on a per Install basis:

- IBM Tivoli Netcool/OMNIBus Base
- Netcool/OMNIBus Base

Each running instance of the program's ObjectServer database is considered an installed copy of a Base Install.

2. The following programs are licensed on a per Connection basis:

- IBM Tivoli Netcool/OMNIBus Event Forwarding
- Netcool/OMNIBus Event Forwarding
- IBM Tivoli Netcool/OMNIBus Data Exchange
- Netcool/OMNIBus Data Exchange

Each instance of one way event forwarding from the program's ObjectServer database is considered an Event Forwarding Connection. Examples include, but are not limited to, use of the program's gateways or API for the purposes of processing by another application or for archive to a database other than event

forwarding to the licensee's Tivoli applications or forwarding for display of current active events in user interfaces.

Each instance of two way data exchange between the program's ObjectServer and other systems or applications is considered a Data Exchange Connection. Examples include, but are not limited, to use of the program's gateways or API for integration with Trouble Ticketing and other Operational Support Systems other than data exchange with the licensee's Tivoli applications.

3. The following programs are licensed based on RVUs:

- IBM Tivoli Netcool/OMNIbus Event Device
- IBM Tivoli Netcool/OMNIbus Event Basic Device
- IBM Tivoli Netcool/OMNIbus Event EMS
- IBM Tivoli Netcool/OMNIbus Event Q3 EMS
- Netcool/OMNIbus Event Device
- Netcool/OMNIbus Event Basic Device
- Netcool/OMNIbus Event EMS
- Netcool/OMNIbus Event Q3 EMS

The resources for the purpose of RVU calculation are either Event Device, Event Basic Device, Event EMS, or Event Q3 EMS. Licensee must obtain entitlements for each resource managed regardless of any intermediate consolidation application. For example if licensee consolidates multiple instances of an EMS, then entitlement is required for each EMS instance that has been consolidated. Where the consolidation application is used for the consolidation of multiple Device or Basic Device resources (for example, trap consolidation), entitlement is required for each managed Device or Basic Device that has been consolidated.

In addition to the RVU entitlements for the resources managed by the program, if the program is configured to provide high availability of the management system, licensee must obtain additional RVU entitlements for all resources managed by the program. Configuration considered to be providing high availability includes but is not limited to one or more of the following: failover and fallback connections to the ObjectServer databases configured for Hot Standby, event store and forward, peer to peer heartbeating, and event resynchronization with restarting element management systems.

An Event Device 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, Integrated Facility for Linux (IFL) processors, and managed instances within a third-party cloud.

An Event Basic Device Tier is a resource with limited computing power, equipment monitored by a special purpose sensor or telemetry device, or NSU. Examples include, but are not limited to, point-of-sale terminals, printers, VoIP telephones, dsl modems, cable modems, and assets such as production equipment, facilities-related items, and transportation-related items.

An Event EMS is an instance of an Element Management System provided by a non-IBM software vendor or network equipment provider that provides unified fault, configuration, accounting performance, or security management including, but not limited to, the capability of initiating appropriate action to one or more physical devices and fault management. Other resources counted at the EMS Tier include mainframe systems (which are measured per 400 MSUs), IBM Tivoli Monitoring when use of IBM Tivoli Monitoring is restricted to the forwarding of situation events relating only to performance data (broader usage of IBM Tivoli Monitoring requires device pricing), and Microsoft™ System Center Operations Manager. A Million Service Units (MSUs) is defined as millions of Central Processing Unit (CPU) service units per hour; the measure of capacity used to describe the computing power of the hardware processors on which S/390^(R) or System z^(R) software runs. Processor MSU values are determined by

the hardware vendor, IBM, or Software Compatible Vendors (SCVs). For MSU capacity by vendor and machine, refer to

<http://www.ibm.com/systems/z/resources/swprice/reference/exhibits/hardware.html>

A Q3 EMS is an instance of an Element Management System, which is interfaced via the Q3 protocol

4. RVU conversion table (VUE 141)

- From 1 to 100 Resources, 1.0 RVU per Resource
- From 101 to 250 Resources, 100 RVUs plus 0.9 RVUs per Resource above 100
- From 251 to 500 Resources, 235 RVUs plus 0.8 RVUs per Resource above 250
- From 501 to 750 Resources, 435 RVUs plus 0.6 RVUs per Resource above 500
- From 751 to 1,250 Resources, 585 RVUs plus 0.5 RVUs per Resource above 750
- From 1,251 to 2,000 Resources, 835 RVUs plus 0.4 RVUs per Resource above 1,250
- For more than 2,000 Resources, 1,135 RVUs plus 0.30 RVUs per Resource above 2,000

Where IBM DB2 is entitled for limited use for Tivoli Netcool/OMNIBus and its supporting programs, licensee may leverage a common DB2 install for Tivoli Netcool/OMNIBus and the supporting programs within the terms of the restricted use licenses.

Licensing metric definitions for IBM Tivoli Netcool/Impact

IBM Tivoli Netcool/Impact is entitled using the following definitions.

Install

Reference definition above.

RVU

Reference definition above.

Instead of the entitlements required for the resources used by the program directly, licensee must obtain entitlements for this program sufficient to cover the resources managed by the program.

IBM Tivoli Netcool/Impact is entitled using the following chargeable components and metrics.

IBM Tivoli Netcool/Impact is license per install. Each Tivoli Netcool/Impact application instance is considered a single install of Tivoli Netcool/Impact. It is also licensed by tier by the amount of each type of technology that each Tivoli Netcool/Impact install (application instances) uses. The number of RVUs required per tier is defined below. Volume scaling is applied to each tier as indicated below per specific Volume Unit Exhibit (VUE 129).

Tier 1 IBM Tivoli Netcool/Impact

This is counted by the number of Tivoli Netcool/Impact installs (application instances) any of each of the following technologies is used with:

- IBM DB2
- Informix^(R)
- Microsoft SQL server
- ODBC
- Oracle
- PostgreSQL

Sybase
MySQL
Flat files
XML destinations
LDAP
TCP/IP Socket

Tier 1 third-party IBM Tivoli Netcool/Impact

This is counted by the number of Tivoli Netcool/Impact installs (application instances) any of each of the following technologies is used with:

- SNMP

Tier 2 IBM Tivoli Netcool/Impact

This is counted by the number of Tivoli Netcool/Impact installs (application instances) any of each of the following technologies is used with:

- Alcatel 5620
- Cramer Dimension
- Smallworld

Tier 3 IBM Tivoli Netcool/Impact

This is counted by the number of Tivoli Netcool/Impact installs (application instances) any of each of the following technologies is used with:

- Vitria
- JMS

Tier 3 third-party IBM Tivoli Netcool/Impact

This is counted by the number of Tivoli Netcool/Impact installs (application instances) any of each of the following technologies is used with:

- Tibco
- Web services

RVU conversion table (VUE 129)

- From 1 to 2 Resources, 1.0 RVUs per Resource
- From 3 to 5 Resources, 2 RVUs plus 0.9 RVUs per Resource above 2
- From 6 to 10 Resources, 5 RVUs plus 0.8 RVUs per Resource above 5
- From 11 to 20 Resources, 9 RVUs plus 0.7 RVUs per Resource above 10
- For more than 20 Resources, 16 RVUs plus 0.6 RVUs per Resource above 20

Pricing examples for IBM Netcool Operations Insight

Example 1

Customer wants to manage 100 physical servers, each running 6 virtual servers, and 50 network devices, none of which are virtualized. The management system is running in a highly available configuration.

The customer requires:

Quantity	Requirement
600	IBMNetcool Operations Insight Operations Management Managed Virtual Servers

50 IBMNetcool Operations Insight Operations Management
Managed Virtual Network Devices

There is no volume reduction calculation to take place and the high availability configuration does not require any additional entitlements.

Example 2

Customer wants to add Network Management capability to all the network devices and half of the physical servers in Example 1.

The customer requires items in Example 1 plus the following:

Quantity	Requirement
50	IBMNetcool Operations Insight Network Management Managed Virtual Network Devices
300	IBMNetcool Operations Insight Network Management Managed Virtual Servers

There is no volume reduction calculation to take place and the high availability configuration does not require any additional entitlements.

Example 3

Customer wants to manage 10,000 automated meter readers and enrich the event information from data held in a IBM DB2 database, which has been populated by a third-party configuration system and from a billings system.

The customer requires a quantity of:

Quantity	Requirement
10,000	IBMNetcool Operations Insight Managed Client Devices
2	IBMNetcool Operations Insight Connections

There are two applications being connected to configuration and billing even though a single database is being used. There are no separate parts required for ObjectServer or Impact installs.

Pricing examples for IBM Tivoli Netcool/OMNIBus

Example 1

Customer requires one application instance of Netcool/Omnibus and would like event management capabilities for 1,250 event devices and ten EMS devices.

The customer requires a quantity of the following entitlements:

Quantity	Requirement
1	IBMTivoli Netcool/OMNIBus Base
835	IBMTivoli Netcool/OMNIBus Event Devices RVU Per above, RVU conversion table VUE141 - From 751 to 1,250 Resources, 585 RVUs plus 0.5 RVUs per Resource above 750
10	IBMTivoli Netcool/OMNIBus Event EMS Per above, RVU conversion table VUE141 - From 1 to 100 Resources, 1.0 RVU per Resource, 10 x 1 = 10 RVUs

Pricing examples for IBM Tivoli Netcool/Impact

Example 1a

ABC Consumer Goods deploys IBM Tivoli Netcool/Impact over two application instances across four processors (multiprocessor capable) on two servers and each appliance instance interfaces with Oracle, LDAP, and DB2 databases. You calculate two Tivoli Netcool/Impact application instances connecting to three Tier 1 databases each equals six DSA Tier 1 connections.

Impact DSA Tier 1	Quantity in customer environment	Installs required	Net Resource Value Units required
Impact Installs	2	2	
Impact Tier 1	6		6

Example 1b

ABC Consumer Goods deploys IBM Tivoli Netcool/Impact over three application instances across six processors (multiprocessor capable) on three servers and each application instance interfaces to Oracle databases, LDAP systems, TCP/IP Sockets, and XML.

You calculate three Tivoli Netcool/Impact application instances interfacing to four Tier 1 databases each equals 12 DSA Tier 1 connections.

Impact DSA Tier 1	Quantity in customer environment	Installs required	Net Resource Value Units required
Impact Installs	3	3	
Impact Tier 1	12		11

Ordering information

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

These products may only be sold directly by IBM or by authorized IBM Business Partners for Software Value Plus.

For more information about IBM Software Value Plus, visit

http://www.ibm.com/partnerworld/page/svp_authorized_portfolio

To locate IBM Business Partners for Software Value Plus in your geography for a specific Software Value Plus portfolio, visit

<http://www.ibm.com/partnerworld/wps/bplocator/>

Product group: Tivoli
Product Identifier Description (PID)
IBMNetcool Operations Insight (5725-Q09)
Product category: Network Management and Performance
Product group: Tivoli
Product Identifier Description (PID)
IBMTivoli Netcool/OMNIBus (5724-S44)
Product category: Network Management and Performance
Product group: Tivoli
Product Identifier Description (PID)
IBMTivoli Netcool/Impact (5724-S43)
Product category: Network Management and Performance

For ordering information, consult your IBM representative or authorized IBM Business Partner, or visit

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

Passport Advantage trade up

You must have previously acquired a license for the following precursor product to be eligible to acquire an equivalent license of the trade-up product.

Trade ups from IBM Tivoli Netcool/OMNIBus to IBM Netcool Operations Insight - Operations Management chargeable component

Precursor product	Trade-up product	Trade-up part number
From: IBM Tivoli Netcool/OMNIBus	To: IBMNetcool Operations Insight	
OMNIBus Device	Managed Virtual Server Trdup Lic + SW S&S 12 Mo	D141XLL
OMNIBus Device for Linux on System z	Managed Virtual Server Z Trdup Lic + SW S&S 12 Mo	D143QLL
OMNIBus Device	Managed Virtual Network Device Trdup Lic + SW S&S 12 Mo	D1423LL
OMNIBus Device for Linux on System z	Managed Virtual Network Device Z Trdup Lic + SW S&S 12 Mo	D143SLL
OMNIBus Basic Device	10 Managed Client Device Trdup Lic + SW S&S 12 Mo	D142ALL
OMNIBus Basic Device Linux on Syst z	10 Managed Client Device Z Trdup Lic + SW S&S 12 Mo	D143VLL

Trade ups from IBM Netcool Network Management to IBM Netcool Operations Insight - Operations Management chargeable component

Precursor product	Trade-up product	Trade-up part number
From: IBM Netcool Network Management	To: IBMNetcool Operations Insight	
Entry Device	Managed Virtual Server Trdup Lic + SW S&S 12 Mo	D15R1LL
Entry Device	Managed Virtual Network Device Trdup Lic + SW S&S 12 Mo	D15QZLL
Entry Device	Managed Virtual Network Device Z Trdup Lic + SW S&S 12 Mo	D15QXLL
Entry Device Linux on Syst z	Managed Virtual Server Z Trdup Lic + SW S&S 12 Mo	D15R5LL
Combined Device	Managed Virtual Server Trdup Lic + SW S&S 12 Mo	D15R2LL
Combined Device	Managed Virtual Network	

	Device Trdup Lic + SW S&S 12 Mo	D15R0LL
Event Device	Managed Virtual Server Trdup Lic + SW S&S 12 Mo	D15RWLL
Event Device	Managed Virtual Network Device Trdup Lic + SW S&S 12 Mo	D15QYLL
Event Device	Managed Virtual Network Device Z Trdup Lic + SW S&S 12 Mo	D15QWLL
Event Device Linux on Syst z	Managed Virtual Server Z Trdup Lic + SW S&S 12 Mo	D15R3LL
Event Basic Device	10 Managed Client Device Trdup Lic + SW S&S 12 Mo	D15QTLL
Event Basic Device Linux on Syst z	10 Managed Client Device Trdup Lic + SW S&S 12 Mo	D15QSLL

Trade ups from IBM Netcool Network Management to IBM Netcool Operations Insight - Network Management chargeable component

Precursor product	Trade-up product	Trade-up part number
From: IBM Netcool Network Management	To: IBMNetcool Operations Insight	
Entry Device	Managed Virtual Server Trdup Lic + SW S&S 12 Mo	D15IVLL
Combined Device	Managed Virtual Server Trdup Lic + SW S&S 12 Mo	D15IWLL
Entry Device Linux on Syst z	Managed Virtual Server Trdup Lic + SW S&S 12 Mo	D15IZLL
Entry Device	Managed Virtual Network Device Trdup Lic + SW S&S 12 Mo	D15J2LL
Combined Device	Managed Virtual Network Device Trdup Lic + SW S&S 12 Mo	D15J3LL
Network Device	Managed Virtual Network Device Trdup Lic + SW S&S 12 Mo	D15J4LL
Configuration Standard Device	Managed Virtual Network Device Trdup Lic + SW S&S 12 Mo	D15J5LL
SmartModel Device Resource	Managed Virtual Network Device Trdup Lic + SW S&S 12 Mo	D15J6LL
SmartModel Complex Device Resource	Managed Virtual Network Device Trdup Lic + SW S&S 12 Mo	D15KILL
Entry Device Linux on Syst z	Managed Virtual Network Device Trdup Lic + SW S&S 12 Mo	D15J9LL
Network Device Linux on Syst z	Managed Virtual Network Device	

	Trdup Lic + SW S&S 12 Mo	D15JALL
Network Basic Device Linux on Syst z	10 Managed Client Device Trdup Lic + SW S&S 12 Mo	D15JJLL
Network Basic Device	10 Managed Client Device Trdup Lic + SW S&S 12 Mo	D15JELL
Configuration Standard Basic Device	10 Managed Client Device Trdup Lic + SW S&S 12 Mo	D15JFLL
SmartModel Basic Device Resource	10 Managed Client Device Trdup Lic + SW S&S 12 Mo	D15JGLL

Trade ups from IBM Tivoli Network Manager to IBM Netcool Operations Insight - Network Management chargeable component

Precursor product	Trade-up product	Trade-up part number
From: IBM Tivoli Network Manager	To: IBMNetcool Operations Insight	
Network Device Tier Resource	Managed Virtual Network Device Trdup Lic + SW S&S 12 Mo	D15KJLL
Network Basic Device Tier Resource	10 Managed Client Devices Trdup Lic + SW S&S 12 Mo	D15KNLL
Network Device Tier Resource Linux on Syst z	Managed Virtual Network Device Linux on Syst z Trdup Lic + SW S&S 12 Mo	D15JBLL
Network Basic Device Tier Resource Linux on Syst z	10 Managed Client Device Trdup Lic + SW S&S 12 Mo	D15JKLL

Trade ups from IBM Tivoli Netcool Configuration Manager to IBM Netcool Operations Insight - Network Management chargeable component

Precursor product	Trade-up product	Trade-up part number
From: IBM TivoliNetcoolConfiguration Manager	To: IBMNetcool Operations Insight	
Configuration Standard Device	Managed Virtual Network Device Trdup Lic + SW S&S 12 Mo	D15KLL
SmartModel Device Resource	Managed Virtual Network Device Trdup Lic + SW S&S 12 Mo	D15KLLL
SmartModel Complex Device Resource	Managed Virtual Network Device Trdup Lic + SW S&S 12 Mo	D15KMLL
Configuration Standard Basic Device Resource	10 Managed Client Devices Trdup Lic + SW S&S 12 Mo	D15KPLL
SmartModel Basic Device Resource	10 Managed Client Devices Trdup Lic + SW S&S 12 Mo	D15KQLL

Trade ups from IBM Tivoli Netcool/OMNIBus to IBM Netcool Operations Insight - Connection chargeable component

Precursor product	Trade-up product	Trade-up part number
From: IBM Tivoli Netcool/OMNIBus	To: IBMNetcool Operations Insight	
OMNIBus Event Forwarding	Connection Trdup Lic + SW S&S 12 Mo	D142FLL
OMNIBus Event Forwarding Linux on System z	Connection Z Trdup Lic + SW S&S 12 Mo	D143WLL
OMNIBus Data Exchange	Connection Trdup Lic + SW S&S 12 Mo	D142GLL
OMNIBus Data Exchange Linux on System z	Connection Z Trdup Lic + SW S&S 12 Mo	D143XLL

Trade ups from IBM Netcool Network Management to IBM Netcool Operations Insight - Connection chargeable component

Precursor product	Trade-up product	Trade-up part number
From: IBM Netcool Network Management	To: IBMNetcool Operations Insight	
Event Forwarding	Connection Trdup Lic + SW S&S 12 Mo	D15QQLL
Event Forwarding Linux on System z	Connection Z Trdup Lic + SW S&S 12 Mo	D15QNLL
Data Exchange	Connection Trdup Lic + SW S&S 12 Mo	D15QRLl
Data Exchange Linux on System z	Connection Z Trdup Lic + SW S&S 12 Mo	D15QPLL

Trade ups from IBM Tivoli Netcool/Impact to IBM Netcool Operations Insight - Connection chargeable component

Precursor product	Trade-up product	Trade-up part number
From: IBM Tivoli Netcool/Impact	To: IBMNetcool Operations Insight	
Impact Data Source Adapter Tier 1	Connection Trdup Lic + SW S&S 12 Mo	D142HLL
Impact Data Source Adapter Tier 2	Connection Trdup Lic + SW S&S 12 Mo	D142ILL
Impact Data Source Adapter Tier 3	Connection Trdup Lic + SW S&S 12 Mo	D142JLL
Impact Data Source Adapter Tier 1 Linux on System z	Connection Z Trdup Lic + SW S&S 12 Mo	D143YLL
Impact Data Source Adapter Tier 2 Linux on System z	Connection Z Trdup Lic + SW S&S 12 Mo	D143ZLL
Impact Data Source Adapter Tier 3 Linux on System z	Connection Z Trdup Lic + SW S&S 12 Mo	D1440LL

Consult your IBM representative if you have any questions.

**Trade ups from IBM Tivoli Enterprise Console[®] to IBM Tivoli Netcool/
OMNIBus**

Precursor product	Trade-up product	Trade-up part number
From: IBM Tivoli Enterprise Console RVU	To: IBMTivoli Netcool/OMNIBus	
TIV ENTERPRISE CONSOLE RVU	TNOMNI EVENTDEV TIER TRDUP LIC + SW S&S 12 MO	D0BAVLL
TIV ENT CONS RVU ZLINUX	TNOMNI EVENTDEV TIER TRDUP LIC + SW S&S 12 MO	D0BB1LL
TIV ENT CONS RVU	TNOMNI EVENTEMS TIER TRDUP LIC + SW S&S 12 MO	D0BB7LL
TIV ENT CONS RVU ZLINUX	TNOMNI EVENTEMS TIER TRDUP LIC + SW S&S 12 MO	D0BBILL
TIV ENTER CONSOLE INST	TNOMNI BASE Z PER INST TRDUP LIC + SW S&S 12 MO	D0BV5LL
TIV ENTER CONSOLE INTLL	TNOMNI BASE PER INST TRDUP LIC + SW S&S 12 MO	D0BV6LL

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.

Media packs description	Part number
(5725-Q09) IBMNetcool Operations Insight v1.2 Multiplatforms English Media Pack	BP01PEN
(5724-S44) IBMTivoli Netcool/OMNIBus v8.1 Base Multilingual Multiplatform Event Forwarding En Multiplatform Data Exchange En Multiplatform	BP01QML BP01REN BP01SEN
(5724-S43) IBMTivoli Netcool/Impact v7.1 MEDIA PACK MULTIPLATFORM MULTILINGUAL	BP01TML

New licensees

Orders for new licenses will be accepted now.

Shipment will begin on the planned availability date.

Basic license

Ordering information for Passport Advantage

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

coterminous with your common anniversary date. Thereafter, all SW S&S will renew at the the common anniversary date for twelve full months of SW S&S.

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 SW S&S.

The quantity to be specified for the Passport Advantage part numbers in the following table is per Managed Virtual Server or per Managed Virtual Network Device. To order for Passport Advantage, specify the desired part number and quantity.

IBM Netcool Operations Insight (5725-Q09)

IBM Netcool Operations Insight - Operations Management

Description	Part number
IBMNetcool Operations Insight - Operations Management PA Managed Virtual Server	
Lic + SW S&S 12 Mo	D141VLL
Annual SW S&S Rnw1	E0J97LL
SW S&S Reinstate 12 Mo	D141WLL
From OMNI Device Trdup Lic + SW S&S 12 Mo	D141XLL
IBMNetcool Operations Insight - Operations Management PA Managed Virtual Server for Linux on System z	
Lic + SW S&S 12 Mo	D141ZLL
Annual SW S&S Rnw1	E0J98LL
SW S&S Reinstate 12 Mo	D1420LL
From OMNI Device Trdup Lic + SW S&S 12 Mo	D143QLL
From NNM Entry Device Trdup Lic + SW S&S 12 Mo	D15R1LL
From NNM Combined Device Trdup Lic + SW S&S 12 Mo	D15R2LL
From NNM Event Device Trdup Lic + SW S&S 12 Mo	D15RWLL
From NNM Event Device for Lin on Sys z Trdup Lic + SW S&S 12 Mo	D15R3LL
From NNM Entry Device for Lin Sys z Trdup Lic + SW S&S 12 Mo	D15R5LL
IBMNetcool Operations Insight - Operations Management PA Managed Virtual Network Device	
Lic + SW S&S 12 Mo	D1421LL
Annual SW S&S Rnw1	E0J99LL
SW S&S Reinstate 12 Mo	D1422LL
From OMNI Device Trdup Lic + SW S&S 12 Mo	D1423LL
IBMNetcool Operations Insight - Operations Management PA Managed Virtual Network Device for Linux on System z	
Lic + SW S&S 12 Mo	D1426LL
Annual SW S&S Rnw1	E0J9ALL
SW S&S Reinstate 12 Mo	D1427LL
From OMNI Device Trdup Lic + SW S&S 12 Mo	D143SLL
From NNM Event Device Trdup Lic + SW S&S 12 Mo	D15QYLL
From NNM Entry Device Trdup Lic + SW S&S 12 Mo	D15QZLL
From NNM Combined Device Trdup Lic + SW S&S 12 Mo	D15R0LL
From NNM Event Device Trdup Lic + SW S&S 12 Mo	D15QWLL
From NNM Entry Device Trdup Lic + SW S&S 12 Mo	D15QXLL
IBMNetcool Operations Insight - Operations Management PA per 10 Managed Client Device	

Lic + SW S&S 12 Mo	D1428LL
Annual SW S&S Rnw1	E0J9BLL
SW S&S Reinstate 12 Mo	D1429LL
From OMNI Basic Device Trdup Lic + SW S&S 12 Mo	D142ALL
IBMNetcool Operations Insight - Operations Management PA per 10 Managed Client Device for Linux on System z	

Lic + SW S&S 12 Mo	D142BLL
Annual SW S&S Rnw1	E0J9CLL
SW S&S Reinstate 12 Mo	D142CLL
From OMNI Basic Device Trdup Lic + SW S&S 12 Mo	D143VLL
From NNM Event Basic Device Trdup Lic + SW S&S 12 Mo	D15QTL
From NNM Event Basic Device Sys Z Trdup Lic + SW S&S 12 Mo	D15QSL

IBM Netcool Operations Insight - Connection

Description	Part number
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IBMNetcool Operations Insight
PA per Connection

Lic + SW S&S 12 Mo	D142DLL
Annual SW S&S Rnw1	E0J9DLL
SW S&S Reinstate 12 Mo	D142ELL
From OMNI Event Forwarding Trdup Lic + SW S&S 12 Mo	D142FLL
From OMNI Data Exchange Trdup Lic + SW S&S 12 Mo	D142GLL
From Impact DSA Tier 1 Trdup Lic + SW S&S 12 Mo	D142HLL
From Impact DSA Tier 2 Trdup Lic + SW S&S 12 Mo	D142ILL
From Impact DSA Tier 3 Trdup Lic + SW S&S 12 Mo	D142JLL

IBMNetcool Operations Insight
PA per Connection for Linux on System z

Lic + SW S&S 12 Mo	D142KLL
Annual SW S&S Rnw1	E0J9ELL
SW S&S Reinstate 12 Mo	D142LLL
From OMNI Event Forwarding z Trdup Lic + SW S&S 12 Mo	D143WLL
From OMNI Data Exchange z Trdup Lic + SW S&S 12 Mo	D143XLL
From Impact DSA Tier 1 z Trdup Lic + SW S&S 12 Mo	D143YLL
From Impact DSA Tier 2 z Trdup Lic + SW S&S 12 Mo	D143ZLL
From Impact DSA Tier 3 z Trdup Lic + SW S&S 12 Mo	D1440LL
From NNM Event Forwarding Trdup Lic + SW S&S 12 Mo	D15QQL
From NNM Data Exchange Trdup Lic + SW S&S 12 Mo	D15QRL
From NNM Event Forwarding z Trdup Lic + SW S&S 12 Mo	D15QNL
From NNM Data Exchange z Trdup Lic + SW S&S 12 Mo	D15QPL

IBM Netcool Operations Insight - Network Management

Description	Part number
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IBMNetcool Operations Insight
PA per Managed Virtual Server

Lic + SW S&S 12 Mo	D15ITLL
Annual SW S&S Rnw1	E0JS7LL
SW S&S Reinstate 12 Mo	D15IULL
From NNM Entry Device Trdup Lic + SW S&S 12 Mo	D15IVLL
From NNM Combined Device Trdup Lic + SW S&S 12 Mo	D15IWLL

IBMNetcool Operations Insight
PA per Managed Virtual Server for Linux on System z

Lic + SW S&S 12 Mo	D15IXLL
Annual SW S&S Rnw1	E0JS8LL
SW S&S Reinstate 12 Mo	D15IYLL
From NNM Entry Device z Trdup Lic + SW S&S 12 Mo	D15IZLL

IBMNetcool Operations Insight
PA per Managed Virtual Network Device

Lic + SW S&S 12 Mo	D15J0LL
Annual SW S&S Rnw1	E0JS9LL
SW S&S Reinstate 12 Mo	D15J1LL
From NNM Entry Device Trdup Lic + SW S&S 12 Mo	D15J2LL
From NNM Combined Device Trdup Lic + SW S&S 12 Mo	D15J3LL
From NNM Network Device Trdup Lic + SW S&S 12 Mo	D15J4LL
From NNM Network Configuration Standard Device Trdup Lic + SW S&S 12 Mo	D15J5LL
From NNM Smartmodel Device Resource Trdup Lic + SW S&S 12 Mo	D15J6LL
From NNM Smartmodel Device Resource Trdup Lic + SW S&S 12 Mo	D15K1LL
From ITNM Network Device Tier Resource Trdup Lic + SW S&S 12 Mo	D15KJLL
From ITNCM Configuration Standard Device Trdup Lic + SW S&S 12 Mo	D15KKLL
From ITNCM Smartmodel Device Resource Trdup Lic + SW S&S 12 Mo	D15KLLL
From ITNCM Smartmodel Complex Device Resource Trdup Lic + SW S&S 12 Mo	D15KMLL

IBMNetcool Operations Insight
PA per Managed Virtual Network Device for Linux on System z

Lic + SW S&S 12 Mo	D15J7LL
Annual SW S&S Rnw1	E0JSALL
SW S&S Reinstate 12 Mo	D15J8LL
From NNM Entry Device Z Trdup Lic + SW S&S 12 Mo	D15J9LL
From NNM Network Device Z Trdup Lic + SW S&S 12 Mo	D15JALL
From ITNM Network Device Tier Resource Z Trdup Lic + SW S&S 12 Mo	D15JBLL

IBMNetcool Operations Insight
PA Network Management per 10 Managed Client Device

Lic + SW S&S 12 Mo	D15JCLL
Annual SW S&S Rnw1	E0JSBLL
SW S&S Reinstate 12 Mo	D15JDLL
From NNM Network Basic Device Trdup Lic + SW S&S 12 Mo	D15JELL
From NNM Configuration Standard Basic Device Trdup Lic + SW S&S 12 Mo	D15JFLL
From NNM Smartmde1 Basic Device Resource Trdup Lic + SW S&S 12 Mo	D15JGLL
From ITNM Network Basic Device Tier Resource Trdup Lic + SW S&S 12 Mo	D15KNLL
From ITNCM Configuration Standaed Bacic Device Resource Trdup Lic + SW S&S 12 Mo	D15KPLL
From ITNCM Smartmodel Basic Device Resource Trdup Lic + SW S&S 12 Mo	D15KQLL

IBMNetcool Operations Insight
PA Network Management per 10 Managed Client Device
for Linux on System z

Lic + SW S&S 12 Mo	D15JHLL
Annual SW S&S Rnw1	E0JSCLL
SW S&S Reinstate 12 Mo	D15JILL

From NNM Network Basic Device Z	
Trdup Lic + SW S&S 12 Mo	D15JJLL
From ITNM Network Basic Device Tier Resource Z	
Trdup Lic + SW S&S 12 Mo	D15JKLL

Description	Part number
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IBM Netcool Operations Insight (5725-Q09) Multi-Platforms English Media Pack V1.2	BP01PEN
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IBM Tivoli Netcool/OMNibus (5724-S44)

Description	Part number
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IBMTivoli Netcool/OMNibus Event Basic Device Tier per RVU

LIC + SW S&S 12 MO	D0B7BLL
ANNUAL SW S&S RNWL	E07UJLL
SW S&S REINSTATE 12 MO	D0B7CLL

IBMTivoli Netcool/OMNibus Event Basic Device Tier per RVU
for Linux on System z

LIC + SW S&S 12 MO	D0B7LLL
ANNUAL SW S&S RNWL	E07UPLL
SW S&S REINSTATE 12 MO	D0B7MLL

IBMTivoli Netcool/OMNibus Event Device Tier per RVU

LIC + SW S&S 12 MO	D0B8GLL
ANNUAL SW S&S RNWL	E07UZLL
SW S&S REINSTATE 12 MO	D0B8HLL

IBMTivoli Netcool/OMNibus Event Device Tier per RVU
for Linux on System z

LIC + SW S&S 12 MO	D0B8MLL
ANNUAL SW S&S RNWL	E07V1LL
SW S&S REINSTATE 12 MO	D0B8NLL

FROM TIV ENTERPRISE CONSOLE RVU

TRDUP LIC + SW S&S 12 MO	D0BAVLL
FROM TIV ENT CONS RVU ZLINUX	
TRDUP LIC + SW S&S 12 MO	D0BB1LL

IBMTivoli Netcool/OMNibus Event EMS Tier per RVU

LIC + SW S&S 12 MO	D0B9KLL
ANNUAL SW S&S RNWL	E07VALL
SW S&S REINSTATE 12 MO	D0B9MLL

IBMTivoli Netcool/OMNibus Event EMS Tier per RVU
for Linux on System z

LIC + SW S&S 12 MO	D0B9TLL
ANNUAL SW S&S RNWL	E07VDLL
SW S&S REINSTATE 12 MO	D0B9ULL

FROM TIV ENT CONS RVU

TRDUP LIC + SW S&S 12 MO	D0BB7LL
FROM TIV ENT CONS RVU ZLINUX	
TRDUP LIC + SW S&S 12 MO	D0BB1LL

IBMTivoli Netcool/OMNibus Base Install

LIC + SW S&S 12 MO	D0BU9LL
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ANNUAL SW S&S RNWL	E0882LL
SW S&S REINSTATE 12 MO	D0BUALL

IBMTivoli Netcool/OMNIBus Base Install
for Linux on System z

LIC + SW S&S 12 MO	D0BUBLL
ANNUAL SW S&S RNWL	E0883LL
SW S&S REINSTATE 12 MO	D0BUCLL

FROM TIV ENTER CONSOLE INST	
TRDUP LIC + SW S&S 12 MO	D0BV5LL
FROM TIV ENTER CONSOLE INTLL	
TRDUP LIC + SW S&S 12 MO	D0BV6LL

IBMTivoli Netcool/OMNIBus Event Forwarding Connection

LIC + SW S&S 12 MO	D0VSULL
ANNUAL SW S&S RNWL	E0FGXLL
SW S&S REINSTATE 12 MO	D0VT5LL

IBMTivoli Netcool/OMNIBus Event Forwarding per Connection
for Linux on System z

LIC + SW S&S 12 MO	D0VTLLL
ANNUAL SW S&S RNWL	E0FHJLL
SW S&S REINSTATE 12 MO	D0VTULL

IBMTivoli Netcool/OMNIBus Data Exchange per Connection

LIC + SW S&S 12 MO	D0VVYLL
ANNUAL SW S&S RNWL	E0FK0LL
SW S&S REINSTATE 12 MO	D0VWDLL

IBMTivoli Netcool/OMNIBus Data Exchange per Connection
for Linux on System z

LIC + SW S&S 12 MO	D0VWWLL
SW S&S REINSTATE 12 MO	D0VX2LL
ANNUAL SW S&S RNWL	E0FKSLL

Description	Part number
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IBM Tivoli Netcool/OMNIBus V8.1 (5724-S44)

IBM Tivoli Netcool/OMNIBus V8.1 Base Multilingual Multiplatform Media Pack	BP01QML
IBM Tivoli Netcool/OMNIBus Event Forwarding V8.1 English Multiplatform Media Pack	BP01REN
IBM Tivoli Netcool/OMNIBus Data Exchange V8.1 English Multiplatform Media Pack	BP01SEN

IBM Tivoli Netcool/Impact V7.1 (5724-S43)

Description	Part number
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IBMTivoli Netcool/Impact Base Install

LIC + SW S&S 12 MO	D612CLL
ANNUAL SW S&S RNWL	E03TSLL
SW S&S REINSTATE 12 MO	D612DLL

IBMTivoli Netcool/Impact Base Install
for Linux on System z

LIC + SW S&S 12 MO	D0AZJLL
SW S&S REINSTATE 12 MO	D0AZLLL
ANNUAL SW S&S RNWL	E07R5LL

IBMTivoli Netcool/Impact Tier 1 RVU

LIC + SW S&S 12 MO	D612GLL
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ANNUAL SW S&S RNWL SW S&S REINSTATE 12 MO	E03TULL D612HLL
IBMTivoli Netcool/Impact Tier 1 RVU for Linux on System z	
LIC + SW S&S 12 MO SW S&S REINSTATE 12 MO ANNUAL SW S&S RNWL	D0AZMLL D0AZNLL E07R7LL
IBMTivoli Netcool/Impact Tier 1 3rd party RVU	
LIC + SW S&S 12 MO ANNUAL SW S&S RNWL SW S&S REINSTATE 12 MO	D612ELL E03TTLL D612FLL
IBMTivoli Netcool/Impact Tier 1 3rd party RVU for Linux on System z	
LIC + SW S&S 12 MO SW S&S REINSTATE 12 MO ANNUAL SW S&S RNWL	D0AZPLL D0AZQLL E07R8LL
IBMTivoli Netcool/Impact Tier 2 RVU	
LIC + SW S&S 12 MO ANNUAL SW S&S RNWL SW S&S REINSTATE 12 MO	D6126LL E03TPLL D6127LL
IBMTivoli Netcool/Impact Tier 2 RVU for Linux on System z	
LIC + SW S&S 12 MO SW S&S REINSTATE 12 MO ANNUAL SW S&S RNWL	D0AZXLL D0AZYLL E07R9LL
IBMTivoli Netcool/Impact Tier 3 RVU	
LIC + SW S&S 12 MO ANNUAL SW S&S RNWL SW S&S REINSTATE 12 MO	D612ALL E03TRLL D612BLL
IBMTivoli Netcool/Impact Tier 3 RVU for Linux on System z	
LIC + SW S&S 12 MO SW S&S REINSTATE 12 MO ANNUAL SW S&S RNWL	D0AZZLL D0B00LL E07RALL
IBMTivoli Netcool/Impact Tier 3 3rd Party RVU	
LIC + SW S&S 12 MO ANNUAL SW S&S RNWL SW S&S REINSTATE 12 MO	D6128LL E03TQLL D6129LL
IBMTivoli Netcool/Impact Tier 3 3rd Party RVU for Linux on System z	
LIC + SW S&S 12 MO SW S&S REINSTATE 12 MO ANNUAL SW S&S RNWL	D0B01LL D0B02LL E07RBLL
Description	Part number
IBM Tivoli Netcool/Impact v7.1 (5725-S43) MULTIPLATFORM MULTILINGUAL Media Pack	BP01TML

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

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License Information number

- L-DWIN-9GVHUC: IBM Netcool Operations Insight
- L-PKEY-B95K3J: IBM Tivoli Netcool/OMNIBus 8.1
- L-NHON-9HTNCX: IBM Tivoli Netcool/Impact

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

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

Limited warranty applies

Yes

Limited warranty

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<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).

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.

Volume orders (IVO)

No

Passport Advantage applies

Yes, and through the Passport Advantage website at

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

Software Subscription and Support applies

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System i Software Maintenance applies

No

Variable charges apply

No

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Benefits

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Corrections

(Corrected on February 21, 2019)

Updated License Information number section