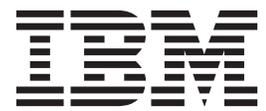


IBM Tivoli Netcool Performance Manager 1.4  
Document Revision R2E1

*Documentation Overview*



**Note**

Before using this information and the product it supports, read the information in "Notices" on page 11.

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## About this publication

IBM Tivoli Netcool Performance Manager, Version 1.4 is a bundled product consisting of two main components. A wireline component (formerly Tivoli® Netcool/Proviso), and a wireless component (formerly Tivoli Netcool Performance Manager for Wireless).

The Installing Tivoli Netcool Performance Manager - Wireline Component tells you how to install and configure Tivoli Netcool Performance Manager by using Oracle and DB2® databases.

**Note:** If you are upgrading Tivoli Netcool Performance Manager, see the *IBM Tivoli Netcool Performance Manager Upgrade Guide - Wireline component*.

**Important:** Before installing Tivoli Netcool Performance Manager, you are advised to read the Installing Tivoli Netcool Performance Manager - Wireline Component. Release notes can contain information specific to your installation that is not contained in this guide. Failure to consult the release notes might result in a corrupted, incomplete, or failed installation.

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## Intended audience

The audience for this manual is anyone wishing to learn more about Tivoli Netcool® Performance Manager - Wireline and Wireless component, and the documentation that has been created to describe it.

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## What this publication contains

This publication contains the following sections:

- Chapter 1, "Documents for Wireline and Wireless components," on page 1
- Chapter 2, "Technical Notes - Wireline component," on page 5
- Chapter 3, "Online help," on page 7
- Chapter 4, "Supporting documentation," on page 9

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## Tivoli Netcool Performance Manager - Wireline Component

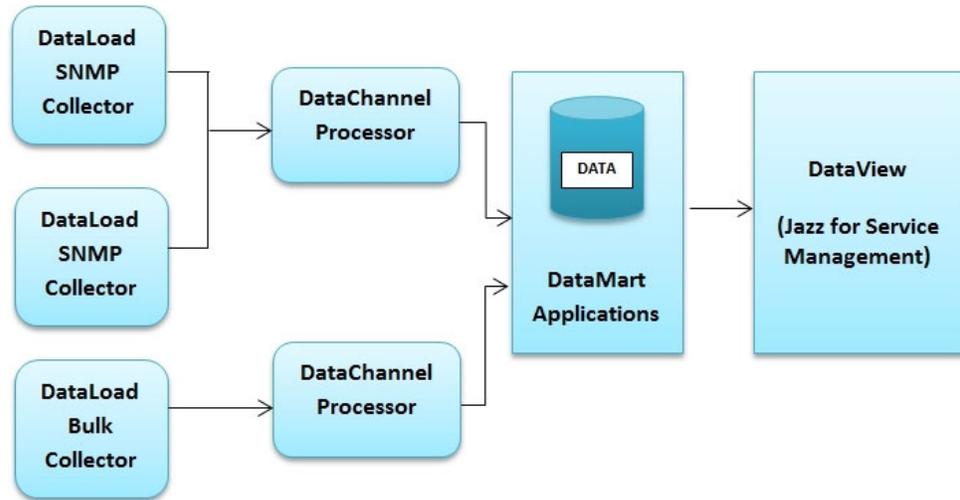
IBM® Tivoli Netcool Performance Manager consists of a wireline component (formerly Netcool/Proviso) and a wireless component (formerly Tivoli Netcool Performance Manager for Wireless).

Tivoli Netcool Performance Manager - Wireline Component consists of the following subcomponents:

- DataMart is a set of management, configuration, and troubleshooting GUIs. The Tivoli Netcool Performance Manager System Administrator uses the GUIs to define policies and configuration, and to verify and troubleshoot operations.
- DataLoad provides flexible, distributed data collection and data import of SNMP and non-SNMP data to a centralized database.
- DataChannel aggregates the data collected through Tivoli Netcool Performance Manager DataLoad for use by the Tivoli Netcool Performance Manager DataView reporting functions. It also processes online calculations and detects real-time threshold violations.

- DataView is a reliable application server for on-demand, web-based network reports.
- Technology Packs extend the Tivoli Netcool Performance Manager system with service-ready reports for network operations, business development, and customer viewing.

The following figure shows the different Tivoli Netcool Performance Manager modules.



Tivoli Netcool Performance Manager documentation consists of the following:

- Release notes
- Configuration recommendations
- Installation and upgrade information
- User guides
- Technical notes
- Online help

The documentation is available for viewing and downloading on the information center at [http://publib.boulder.ibm.com/infocenter/tivihelp/v8r1/topic/com.ibm.tnpm.doc/welcome\\_tnpm.html](http://publib.boulder.ibm.com/infocenter/tivihelp/v8r1/topic/com.ibm.tnpm.doc/welcome_tnpm.html).

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## Service Management Connect

Connect, learn, and share with Service Management professionals: product support technical experts who provide their perspectives and expertise.

Access Network and Service Assurance community at <https://www.ibm.com/developerworks/servicemanagement/nsa/index.html>. Use Service Management Connect in the following ways:

- Become involved with transparent development, an ongoing, open engagement between other users and IBM developers of Tivoli products. You can access early designs, sprint demonstrations, product roadmaps, and prerelease code.
- Connect one-on-one with the experts to collaborate and network about Tivoli and the Network and Service Assurance community.
- Read blogs to benefit from the expertise and experience of others.

- Use wikis and forums to collaborate with the broader user community.

**Related information:**

 [Tivoli Netcool Performance Manager Wiki on developerWorks](#)

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## Tivoli technical training

For Tivoli technical training information, see the following Tivoli Netcool Performance Manager Training website at <https://tnpmsupport.persistentsys.com/training>.

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## Support information

If you have a problem with your IBM software, you want to resolve it quickly. IBM provides the following ways for you to obtain the support you need:

### Online

Access the IBM Software Support site at <http://www.ibm.com/software/support/probsub.html>.

### IBM Support Assistant

The IBM Support Assistant is a free local software serviceability workbench that helps you resolve questions and problems with IBM software products. The Support Assistant provides quick access to support-related information and serviceability tools for problem determination. To install the Support Assistant software, go to <http://www.ibm.com/software/support/isa>.

### Troubleshooting Guide

For more information about resolving problems, see the problem determination information for this product.

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## Conventions used in this publication

Several conventions are used in this publication for special terms, actions, commands, and paths that are dependent on your operating system.

### Typeface conventions

This publication uses the following typeface conventions:

#### **Bold**

- Lowercase commands and mixed case commands that are otherwise difficult to distinguish from surrounding text
- Interface controls (check boxes, push buttons, radio buttons, spin buttons, fields, folders, icons, list boxes, items inside list boxes, multicolumn lists, containers, menu choices, menu names, tabs, property sheets), labels (such as **Tip:**, and **Operating system considerations:**)
- Keywords and parameters in text

#### *Italic*

- Citations (examples: titles of publications, diskettes, and CDs)
- Words defined in text (example: a nonswitched line is called a *point-to-point line*)
- Emphasis of words and letters (words as words example: "Use the word *that* to introduce a restrictive clause."; letters as letters example: "The LUN address must start with the letter *L*.")

- New terms in text (except in a definition list): a *view* is a frame in a workspace that contains data.
- Variables and values you must provide: ... where *myname* represents....

**Monospace**

- Examples and code examples
- File names, programming keywords, and other elements that are difficult to distinguish from surrounding text
- Message text and prompts addressed to the user
- Text that the user must type
- Values for arguments or command options

**Bold monospace**

- Command names, and names of macros and utilities that you can type as commands
- Environment variable names in text
- Keywords
- Parameter names in text: API structure parameters, command parameters and arguments, and configuration parameters
- Process names
- Registry variable names in text
- Script names

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# Chapter 1. Documents for Wireline and Wireless components

The supporting documents for Tivoli Netcool Performance Manager 1.4 release.

**Note:** All the documents are in DITA format and are documented as per IBM Standards.

## Common documents

### Release Notes

Addresses installation, upgrade, and other getting-started issues.

### Quick Start Guide

Gets you started with a typical installation of Tivoli Netcool Performance Manager.

### Tivoli Netcool Performance Manager Overview

Describes new features and enhancements in Tivoli Netcool Performance Manager Version 1.4 product.

## Wireline component

### Configuration Recommendations

Provides all system requirements for Tivoli Netcool Performance Manager and lists all required software (such as Oracle and DB2). Configuration Recommendations is meant as a partner for the Installing Tivoli Netcool Performance Manager - Wireline Component and the Upgrading Tivoli Netcool Performance Manager - Wireline Component.

### Installing Tivoli Netcool Performance Manager - Wireline Component

Explains how to install and provisionally configure Tivoli Netcool Performance Manager and attendant software (such as Oracle and DB2).

### Upgrading Tivoli Netcool Performance Manager - Wireline Component

Explains how to upgrade Tivoli Netcool Performance Manager 1.3.2 to Tivoli Netcool Performance Manager 1.4.

### Using and Administering DataView

Explains how to administer DataView, how to use DataView for performance viewing and reporting, and how advanced users can use DataView to extend technology packs.

### Configuring and Operating DataMart

Explains how to configure DataMart, and how to use command line tools to configure Tivoli Netcool Performance Manager.

### Installing and Using JDBC Driver

Explains how to install and use the new JDBC Driver for Cognos enablement in Wireline Technology Packs.

### Troubleshooting Tivoli Netcool Performance Manager

Describes how to manage and troubleshoot problems with Tivoli Netcool Performance Manager. The guide also lists error messages that are produced by DataChannel and DataLoad, with explanations and remedial actions. Replaces an earlier Technical Note.

### Using Mass Data Extraction

Describes how to use the Mass Data Extraction utility.

**Database Administration**

Describes how to optimize the use of the Tivoli Netcool Performance Manager database.

**Composite Subelement Configuration**

Describes how Tivoli Netcool Performance Manager is used to model services within an inventory. Specifically, Composite Subelement Configuration guide describes how to create composite subelement structures to provide performance monitoring in an inventory.

**Configuring and Using the Bulk DataLoad Collector**

Describes the Tivoli Netcool Performance Manager Bulk Collector and discusses the Tivoli Netcool Performance Manager PvLine file format that is processed by the Bulk Collector.

**Tivoli Netcool/OMNIBus Web GUI Integration - Wireline Component**

Describes how to integrate IBM Tivoli Netcool /OMNIBus Web GUI with the wireline component of Tivoli Netcool Performance Manager.

**Note:** The support for integration with OMNIBus Web GUI will be provided post 1.4.

**Command Line Interface Reference**

Describes in reference format the command line tools that you can use to configure Tivoli Netcool Performance Manager.

**CME Formula API Developer's Reference**

Describes how to create and deploy ECMAScript files that use the Tivoli Netcool Performance Manager Complex Metric Engine (CME) Formula API.

**DataAccess API Guide**

Describes the DataAccess API that you can use to integrate the DataView reporting system into an external portal. With DataAccess, you can use other graphical packages to query the database metrics directly.

**Properties Reference**

Describes the configurable properties that are used by Tivoli Netcool Performance Manager.

**SNMP Formula Language Reference**

Provides detailed information about the SNMP formula language that is used by the technology packs for IBM Tivoli Netcool Performance Manager. The intended audience is application engineers who need to modify the formulas that are used by the technology packs.

**Wireless component guides****Installing Tivoli Netcool Performance Manager - Wireless Component**

Explains how to install and provisionally configure Tivoli Netcool Performance Manager and attendant software (such as Oracle and DB2).

**Upgrading Tivoli Netcool Performance Manager - Wireless Component**

Explains how to upgrade Tivoli Netcool Performance Manager 1.3.2 to Tivoli Netcool Performance Manager 1.4 wireless component.

**Administering Tivoli Netcool Performance Manager - Wireless Component**

Provides instructions and general information on how to maintain and support Tivoli Netcool Performance Manager.

**Using Tivoli Netcool Performance Manager - Wireless Component**

Provides instructions and general information on how to use Tivoli Netcool

Performance Manager software to create and view performance analysis reports for a telecommunications network.

#### **Deploying Tivoli Netcool Performance Manager**

Provides guidelines to be used when you plan a deployment of a Wireless Tivoli Netcool Performance Manager Component system.

#### **IBM Tivoli Monitoring Integration - Wireless Component**

Describes the integration of Tivoli Netcool Performance Manager with IBM Tivoli Monitoring.

#### **Installing and Using Model Maker - Wireless Component**

Describes how to install and use Model Maker on a Windows computer.

#### **Installing and Using Tivoli Netcool Performance Manager - Application Studio - Wireless Component**

Describes how to install and use Tivoli Netcool Performance Manager - Application Studio, V1.4 on a Windows computer.

### **New documents introduced in this release**

#### **Installing and using Tivoli Netcool Performance Manager - Application Studio**

Describes how to install and use Tivoli Netcool Performance Manager - Application Studio to create enhanced Cognos 10 data models based on wireless technology packs.

#### **Installing and Using Tivoli Netcool Performance Manager JDBC Driver**

Describes how to install and use Tivoli Netcool Performance Manager JDBC Driver for Cognos 10 enablement on wireline technology packs.

### **Tivoli Netcool Performance Manager for Wireless Development Toolkit**

Technology packs are independent modules that provide domain-specific and data-neutral data models, vendor-specific metrics, and key performance indicators (KPIs), along with reports and graphs. Technology packs are available for both wireless technologies and fixed/IP services and technologies. To know more about Tivoli Netcool Performance Manager for Wireless Development Toolkit documentation, see [http://publib.boulder.ibm.com/infocenter/tivihelp/v8r1/index.jsp?topic=%2Fcom.ibm.tnmpm.doc%2Fwelcome\\_tnmpm\\_WDT.html](http://publib.boulder.ibm.com/infocenter/tivihelp/v8r1/index.jsp?topic=%2Fcom.ibm.tnmpm.doc%2Fwelcome_tnmpm_WDT.html)



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## Chapter 2. Technical Notes - Wireline component

Technical notes for this release.

### **Version Reporting tools for Tivoli Netcool Performance Manager**

Explains how to use the Tivoli Netcool Performance Manager CLI utilities to obtain information about the Tivoli Netcool Performance Manager applications installed on your system.

### **Avoiding Inventory Synchronization Issues With UBA**

Explains how to avoid inventory synchronization issues with UBA.

### **Moving Elements Between SNMP Collectors and Data Channels**

Describes to move elements between SNMP collectors that share the same DataChannel and also supports moving elements between separate DataChannels in your environment.

### **Portal and Technology Pack Localization**

Describes how to localize the technology packs that display on the portal.

### **Performance Guidelines**

Describes how to get the best performance from your IBM Tivoli Netcool Performance Manager system.



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## Chapter 3. Online help

The online help for this release.

Online help suites are provided for the following Tivoli Netcool Performance Manager components:

- DataMart
- DataView
- Wireless Web Client



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## Chapter 4. Supporting documentation

The supplementary documentation for this release.

The following documents are available for download from the Integrated Service Management Library (ISM Library):

<https://www-304.ibm.com/software/brandcatalog/ismlibrary/>

- DataView Page Design Toolkit: Installation and User Guide – Describes how to install and use the DataView Page Design Toolkit to create or update the page design of DataView reports.

- High Availability documentation:

**Tivoli Netcool Performance Manager Wireline Cluster Operations Guide 1.5**

Describes an example system that was configured to provide high availability.

**Tivoli Netcool Performance Manager Wireline High Availability Installation and Configuration 1.3**

Describes the steps necessary to install and configure components of Tivoli Netcool Performance Manager in a highly available configuration.

**Tivoli Netcool Performance Manager Wireline High Availability Overview 1.3**

Describes high availability solutions for the Tivoli Netcool Performance Manager product.

**Sun Cluster Tivoli Netcool Performance Manager Wireline Agent Guide 1.1**

Describes how Sun Clusters can be used with Tivoli Netcool Performance Manager to create a high availability Tivoli Netcool Performance Manager system.

To know more about Tivoli Netcool Performance Manager wireline on Red Hat Enterprise Linux (RHEL) in a High Availability (HA) configuration with High Availability Disaster Recovery feature (HADR), see

<https://www.ibm.com/developerworks/community/wikis/form/api/wiki/2eed5677-1246-4b21-9e6a-3b0866204ca4/page/807bc74b-e4c1-4c18-ab69-d8b9da5dfea8/attachment/d5c45034-a140-465b-a11a-f4052ac3a094/media/High%20Availability%20for%20Tivoli%20Netcool%20Performance%20Manager%20133-v12.docx>

**Related information:**



Tivoli Netcool Performance Manager 1.4 Wiki



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