Note

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

The IBM Tivoli Netcool Performance Manager for Wireless Development Toolkit
Release Notes is divided into these sections.

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Audience

The target audience for these release notes is:
- Tivoli Product Management
- Tivoli Engineering
- Tivoli services
- IBM Business Partners

For those personnel who are responsible for creating technology packs on the IBM Tivoli Netcool Performance Manager platform, it is recommended that they:
- Have experience in using the Tivoli Netcool Performance Manager product.
- Have completed all the standard Tivoli Netcool Performance Manager for Wireless Development Toolkit training.

Important: Before you install the Tivoli Netcool Performance Manager for Wireless Development Toolkit, you are advised to read these release notes. Failure to consult these release notes may result in a corrupt, incomplete or failed installation.
**Required skills and knowledge**

These release notes assume that you are familiar with the following:

- Microsoft Windows operating systems
- UNIX operating systems. Specifically, Solaris
- Database principles
- Graphical user interfaces

While not essential, the following skills and knowledge are useful when producing meaningful Technology Packs:

- General IT and telecommunications principles
- Network Operator’s OSS and BSS systems architecture
- Tivoli Netcool Performance Manager loader mapping syntax

This release notes also assume that you are familiar with your company’s network and with procedures for configuring, monitoring, and solving problems on your network.

**Network and Service Assurance community on Service Management Connect**

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


- 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.

**Tivoli technical training**

For Tivoli technical training information, see the following IBM Tivoli Education website at [http://www.ibm.com/software/tivoli/education](http://www.ibm.com/software/tivoli/education).

**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**


**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.

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
Chapter 1. Released content

The Tivoli Netcool Performance Manager for Wireless Development Toolkit contains the following components:

**Windows 7 installer**
- install.exe

**Solaris installer**
- install.bin

The Tivoli Netcool Performance Manager for Wireless Development Toolkit v5.0.5 media contains the following components:
- install.exe
- install.bin
- IBM Java 6
- LTE GOMlet
Chapter 2. Requirements

Ensure that you have the hardware and software that is required for Tivoli Netcool Performance Manager for Wireless Development Toolkit.

Hardware requirements

Server hardware specification
Minimum hardware requirements for an Tivoli Netcool Performance Manager for Wireless Development Toolkit server are provided in the IBM Tivoli Netcool Performance Manager for Wireless Development Toolkit v5.0.5 Installation and User Guide.

Client Hardware specification
Minimum hardware requirements for an Tivoli Netcool Performance Manager for Wireless Development Toolkit client are provided in the IBM Tivoli Netcool Performance Manager for Wireless Development Toolkit v5.0.5 Installation and User Guide.

Software requirements

For more information about the software products that are required to install the Tivoli Netcool Performance Manager for Wireless Development Toolkit, see the IBM Tivoli Netcool Performance Manager for Wireless Development Toolkit v5.0.5 Installation and User Guide. The guide is included in the release media package (CD/DVD).

Supported Tivoli Netcool Performance Manager versions
The Tivoli Netcool Performance Manager for Wireless Development Toolkit supports the following Tivoli Netcool Performance Manager versions:
- Tivoli Netcool Performance Manager version 1.3.2
- Tivoli Netcool Performance Manager version 1.3.1
- Tivoli Netcool Performance Manager version 9.2

Supported operating systems
- Windows 7
- Solaris 10

Other software
- IBM Java 6.0
Chapter 3. Installation and uninstallation

Install and uninstall the Tivoli Netcool Performance Manager for Wireless Development Toolkit.

Installation
To install the Tivoli Netcool Performance Manager for Wireless Development Toolkit, see IBM Tivoli Netcool Performance Manager for Wireless Development Toolkit Installation and User Guide, which is included in the release media package (CD/DVD).

Uninstallation
To uninstall the Tivoli Netcool Performance Manager for Wireless Development Toolkit, see IBM Tivoli Netcool Performance Manager for Wireless Development Toolkit Installation and User Guide.

Release restrictions
This document is for the general availability.
Chapter 4. Features and changes of this release

Provides a list of new and updated features in this release and features that are introduced in previous releases that are still worth discussing are provided.

Enhancements

The most significant change to Tivoli Netcool Performance Manager for Wireless Development Toolkit is the installation method. The previous installation method is replaced by the IBM standardized installer. The details of the changes are specified in the IBM Tivoli Netcool Performance Manager for Wireless Development Toolkit Installation and User Guide.

Along with the updated installation method, the following enhancements are provided with this release:

- Updated the Tivoli Netcool Performance Manager for Wireless Development Toolkit for compatibility with Windows 7
- Added the LTE GOM to the IBM Tivoli Netcool Performance Manager for Wireless Development Toolkit
Chapter 5. Known issues

A list of problems that are solved and outstanding in this release.

Issues fixed in this release

The following issues are fixed in this release:

- The Data Dictionary Output does not contain a column for Obsolete Form.
- There are discrepancies in the Tivoli Netcool Performance Manager for Wireless Development Toolkit v5.0.4 delta tool output.
- Description for Obsolete KPI is not visible in the vex KPI description output.

Outstanding issues in this release

<table>
<thead>
<tr>
<th>APAR</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>APAR IV08396</td>
<td>Hierarchical relationship between some network objects must be added manually.</td>
</tr>
</tbody>
</table>

A list of outstanding defects that are observed in this release.

- You cannot copy period on a report form.
- You cannot view the Report component contents immediately after you add them to the report. To view the Report component contents, refresh the page.
- Data Validation tests for the MPM suites that check Oracle reserved words do not exist.
- The invalid LIF variable is not highlighted when you run the data validation tool for invalid LIF variable.
- When you run the delta tool, the system replaces comma with a | sign in the abstract mappings, expressions, and Metalayer mappings of KPI and attributes.
- The Tivoli Netcool Performance Manager Packager displays an error if you run the packager for the second time. You must delete this folder from the projects folder, and then run the tnpmw packager again.
- If you select the verbose logging check box when you list all tests for the Tivoli Netcool Performance Manager Wireless or the MPM configuration file, the system displays the message: Verbose is not valid for list test mode.
- If you install the extended GOMLet package on the server, the build fails.
- The number of network objects in the deleted column is random even if any network object is not deleted.
- When you run the delta tool, no values are populated under the Group Abbreviation for KPIs in the dt_kpi.csv file.
- Socket Exception is displayed randomly on the Tivoli Netcool Performance Manager for Wireless Development Toolkit UI.
- When you keep any form open on the Tivoli Netcool Performance Manager for Wireless Development Toolkit UI for a long time, the system displays form activation error.
Technology packs not supported for secondary keys

The following functions are not supported for secondary keys in Tivoli Netcool Performance Manager Wireless component.

Symptoms

- Provisioning of busy hours with secondary keys
- Complex summaries
- Reports with KPIs based on traffic tables that contain secondary keys and traffic tables that do not contain secondary keys. For a report with KPIs that is based on traffic tables with secondary key tables, KPIs must be associated with the same KPI group.

Therefore, it is not recommended for the Tivoli Netcool Performance Manager for Wireless Development Toolkit users to create technology packs with secondary keys due to this known limitation.
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