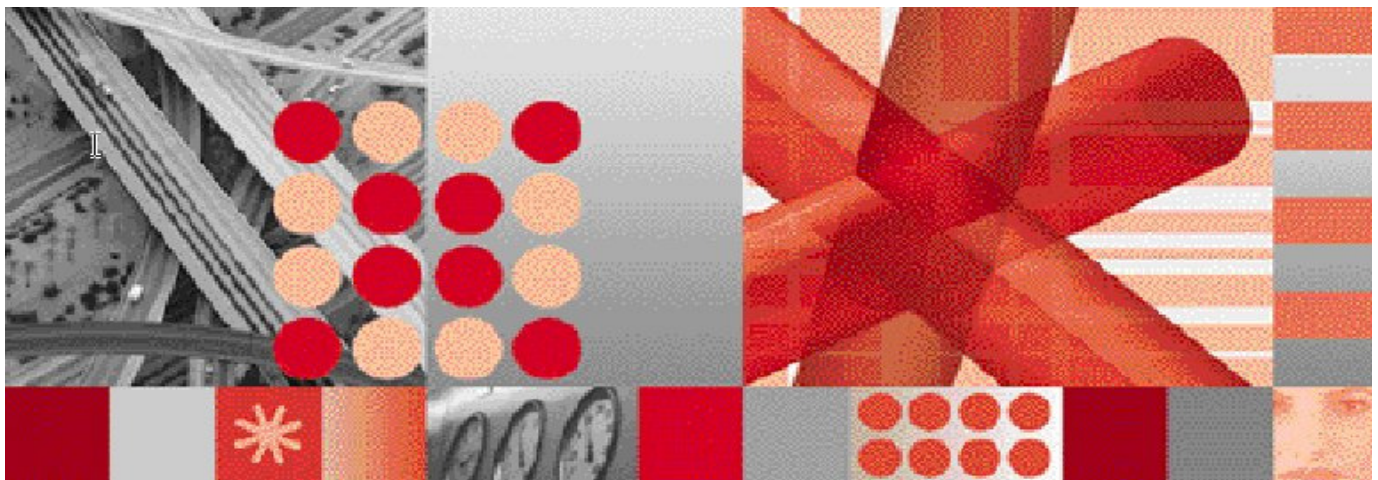




Version 3.4.0



Alcatel NSS Gateway Distribution Note

**TIVOLI® NETCOOL® PERFORMANCE MANAGER FOR WIRELESS
ALCATEL NSS GATEWAY DISTRIBUTION NOTE**

Note: Before using this information and the product it supports, read the information in
Notices on page 10.

This edition applies to Version 4.1 of IBM® Tivoli® Netcool® Performance Manager for Wireless and to all subsequent releases and modifications until otherwise indicated in new editions.

© Copyright International Business Machines Corporation, 2008. All rights reserved.

US Government Users Restricted Rights - Use, duplication or disclosure restricted by GSA ADP Schedule Contract with IBM Corp.

Table of Contents

1	About this Documentation	1
1.1	Audience	1
1.2	Required Skills and Knowledge	1
2	Associated Documents	2
2.1	Referenced Documents	2
2.2	Other Related Documents.....	2
3	Operating System Support	2
4	Perl Version	3
5	Gateway Framework	3
6	Release History	4
6.1	Release 3.4.0	4
6.2	Release 3.3.1	4
6.3	Release 3.3.0	4
6.4	Release 3.0.2	5
6.5	Release 3.0.1	6
6.6	Release 3.0.0	6
7	Data type and releases supported	7
7.1	Raw input files	7
7.2	Hierarchy input files.....	7
Appendix A	Notices and Trademarks.....	10

1 About this Documentation

1.1 Audience

The target audience of this document is IBM Performance Manager for Wireless customers. They should be familiar with telecommunication and IT principles and should also have a good understanding of Solaris.

IMPORTANT: Before attempting an installation of Performance Manager for Wireless you are strongly advised to read the release notes and any readme files distributed with your Performance Manager for Wireless software. Readme files and release notes may contain information specific to your installation not contained in this guide. Failure to consult readme files and release notes may result in a corrupt, incomplete or failed installation.

Note: Performance Manager for Wireless Administrators should not, without prior consultation and agreement from IBM, make any changes to the Index Organized tables or database schema. Changes to the Index Organized tables or database schema may result in corruption of data and failure of the Performance Manager for Wireless System. This applies to all releases of Performance Manager for Wireless using all versions of interfaces.

1.2 Required Skills and Knowledge

This guide assumes you are familiar with the following:

- General IT Principles
- Sun Solaris Operating System
- Oracle Database
- Windows operating systems
- Graphical User Interfaces
- Network Operator's OSS and BSS systems architecture

This guide also assumes that you are familiar with your company's network and with procedures for configuring, monitoring, and solving problems on your network.

2 Associated Documents

The following documentation accompanies this release:

2.1 Referenced Documents

Document Name	Document Description
[Gateways Install Note]	This document describes the steps required to install and run a Gateway.

2.2 Other Related Documents

Document Name	Document Description
[Gateway Framework User Guide]	Gateway Framework User Guide describing the management and configuration of the Gateway Framework.
Gateway Framework Distribution Note	This document provides an overview of the release history of the Gateway Framework.

3 Operating System Support

The Vendor Gateway is built using the generic Gateway Framework. The Vendor Gateway is currently supported on the platforms as in the Gateway Framework Distribution Note.

4 Perl Version

The Vendor Gateway requires Perl version 5.6.1.

5 Gateway Framework

The Vendor Gateway requires the Gateway Framework release 3.4 and above.

See [Gateway Framework Distribution Note].

The Gateway Framework and Vendor Gateway release and installation have been decoupled into separate packages and procedures.

See [Install Note].

6 Release History

6.1 Release 3.4.0

Release date 7 March 2008.

Listed below is a summary of the bugs in this release.

#	Description
1	Rebase to 3.4.0

6.2 Release 3.3.1

Release data 1 November 2007.

Listed below are the enhancements for this release.

#	Description
1	Include modules directory for Vendor Gateways

Listed below is a summary of the bug fixes in this release.

Bug#	Description
57259	3 Mapping files in the parser instead of a single one.
57256	Error message requiring explanation:Warning -get_pif_key - record_type missing from binary data
56990	Mismatch of counter values between Lif files and ASCII Reports - UMC and MTS Data
56608	Alcatel LM9: GS files are not processed by the parser
56607	ADL files are not processed by the parser at all
56555	Alcatel NSS parser, there is a bug with format of the Enddate field

Note:

The `VENDOR_GATEWAY` environment variable must be set to include the modules directory in the path before running Gateway, e.g.:

```
VENDOR_GATEWAY=${GATEWAY_ROOT}/modules/3gpp-xml
```

6.3 Release 3.3.0

Release date 9 August 2007.

Listed below is a summary of the enhancements in this release.

#	Description
1	Blue Wash

Listed below is a summary of the bug fixes in this release.

Bug#	Description
LM Bugs	
56988	Errors in Log while parsing- UMC Data- MSC17
57002	Errors in Log while parsing- UMC Data- MSC17
57061	Redundant counters in the LIF
57100	Log message with the word 'probably' is not suitable from customer side
57255	Usual docs directory is missing: no documentation on how to configure the parser is present
57621	Different counter numbers mapped against the same counter name
57622	Counter mapping files contain different counter names for same counter number

6.4 Release 3.0.2

Release date 4 January 2007.

Listed below is a summary of the bug fixes in this release.

Bug#	Description
LM Bugs	
49377	Alcatel NSS parser falls into infinite loop on ADL input files
49444	Alcatel NSS LM9 parser failed to parse MTP file
49605	Alcatel NSS: Miss-configuration for LM7 and LM9 data (HOD, ADL and GS)
49650	Alcatel LM parser does not support LM9 Flexible ADL report feature
49715	LM9 parser should try the best effort to output the performance data
49758	Alcatel LM parser should handle the dynamic information in MNEM Block 0
49805	Missing ADL configuration in EngineConfig.pm
49847	Alcatel LM doesn't output the GS_MNEM_info doesn't output to pif file
50045	Counter value not catered for hourly measurement
53175	Updated Alcatel NSS code to support new LM9 format
53324	LRM LIF files LACID displayed as HEX format
53325	SCCP EVENT_NAME counter has no Value, causing LIF to fail to load
53326	Time display of 24:00, giving Duration 1440 minutes in LM7 & LM9 LIFS
53546	Group VFS_A900_GS counters by SI018 information
53547	Workaround for the Alcatel documentation defects (encoding with 4dp vs

	4dpr)
53549	New VFS_A900_MNEM type for S7 information
53550	Extra bytes in VFS_A900_LRM file
RCP and OCB Bugs	
52146	Alcatel_RCP overwriting pif files
53329	No matching between LOADMAP and PARSER output: Alcatel NSS RCP R8
53508	Alcatel NSS PERL parser: counters are missing in pif/lif files
53582	ALCATEL_RCP: EngineConfig.pm doesn't work unless enable COUNTER_TYPE=>'S'
53584	ALCATEL_RCP : counter type doesn't export to pif
53585	ALCATEL_RCP: Output pif should not split according to the tickets/section
53586	ALCATEL_RCP: Some HLR counters are not parsed and exported to PIF
54520	OBC parser creates files with date 1 year in past
54721	Rank must be split in rank1 and rank2 according to Alcatel doc

6.5 Release 3.0.1

This is a maintenance release dated April 28, 2005 for Alcatel NSS LM engine rule.

6.6 Release 3.0.0

Initial release, January 21, 2005.

7 Data type and releases supported

The Gateway has been tested for:

Vendor performance data	Type	Release
Alcatel NSS	RCP	v5, v6
Alcatel NSS	OCB	V24
Alcatel NSS	LM	v7, v9

7.1 Raw input files

Scope	Attended Format/Syntax
Performance Measurement File Types	RCP, OCB and LM binary files.
Input files names to expect	These can vary and the Gateway can be configured with the appropriate Perl RE that will match files with the correct rule for that file type.
Equipment/devices to expect data from	Operations & Management Platform (GSM) – means of interfacing with GSM Wireless Networks for the collection and reporting of performance measurements.
Extraction mechanism	GSM produces data for all the NSS components.

7.2 Hierarchy input files

Scope	Attended Format/Syntax
Input files names to expect	N/A
Input file formats to expect	N/A
Equipment/devices to expect data	N/A
Extraction mechanism	N/A

**TIVOLI® NETCOOL® PERFORMANCE MANAGER FOR WIRELESS
ALCATEL NSS GATEWAY DISTRIBUTION NOTE**

Transfer mechanism	N/A
--------------------	-----

Appendix A Notices and Trademarks

This appendix contains the following:

- Notices
- Trademarks

Notices

This information was developed for products and services offered in the U.S.A.

IBM may not offer the products, services, or features discussed in this document in other countries. Consult your local IBM representative for information on the products and services currently available in your area. Any reference to an IBM product, program, or service is not intended to state or imply that only that IBM product, program, or service may be used. Any functionally equivalent product, program, or service that does not infringe any IBM intellectual property right may be used instead. However, it is the user's responsibility to evaluate and verify the operation of any non-IBM product, program, or service.

IBM may have patents or pending patent applications covering subject matter described in this document. The furnishing of this document does not grant you any license to these patents. You can send license inquiries, in writing, to:

IBM Director of Licensing
IBM Corporation
North Castle Drive
Armonk NY 10504-1785
U.S.A.

For license inquiries regarding double-byte (DBCS) information, contact the IBM Intellectual Property Department in your country or send inquiries, in writing, to:

IBM World Trade Asia Corporation
Licensing
2-31 Roppongi 3-chome
Minato-ku
Tokyo 106-0032
Japan.

The following paragraph does not apply to the United Kingdom or any other country where such provisions are inconsistent with local law: INTERNATIONAL BUSINESS MACHINES CORPORATION PROVIDES THIS PUBLICATION "AS IS" WITHOUT WARRANTY OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES OF NON-INFRINGEMENT, MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. Some states do not allow disclaimer of express or implied warranties in certain transactions, therefore, this statement may not apply to you.

This information could include technical inaccuracies or typographical errors. Changes are periodically made to the information herein; these changes will be incorporated in new editions of the publication. IBM may make improvements and/or changes in the product(s) and/or the program(s) described in this publication at any time without notice.

Any references in this information to non-IBM Web sites are provided for convenience only and do not in any manner serve as an endorsement of those Web sites. The materials at those Web sites are not part of the materials for this IBM product and use of those Web sites is at your own risk.

IBM may use or distribute any of the information you supply in any way it believes appropriate without incurring any obligation to you.

Licensees of this program who wish to have information about it for the purpose of enabling: (i) the exchange of information between independently created programs and other programs (including this one) and (ii) the mutual use of the information which has been exchanged, should contact:

IBM Corporation
5300 Cork Airport Business Park
Kinsale Road
Cork
Ireland.

Such information may be available, subject to appropriate terms and conditions, including in some cases, payment of a fee.

The licensed program described in this document and all licensed material available for it are provided by IBM under terms of the IBM Customer Agreement, IBM International Program License Agreement or any equivalent agreement between us.

Information concerning non-IBM products was obtained from the suppliers of those products, their published announcements or other publicly available sources. IBM has not tested those products and cannot confirm the accuracy of performance, compatibility or any other claims related to non-IBM products. Questions on the capabilities of non-IBM products should be addressed to the suppliers of those products.

All statements regarding IBM's future direction or intent are subject to change or withdrawal without notice, and represent goals and objectives only.

This information contains examples of data and reports used in daily business operations. To illustrate them as completely as possible, the examples include the names of individuals, companies, brands, and products. All of these names are fictitious and any similarity to the names and addresses used by an actual business enterprise is entirely coincidental.

If you are viewing this information softcopy, the photographs and color illustrations may not appear.

Trademarks

IBM, IBM logo, Tivoli, and Netcool are trademarks of International Business Machines Corporation in the United States, other countries or both.

UNIX is a registered trademark of The Open Group in the United States and other countries.

Intel and Pentium are trademarks or registered trademarks of Intel Corporation or its subsidiaries in the United States and other countries.

Other company, product or service names may be trademarks or service marks of others.

IBM

© Copyright IBM Corporation 2008

International Business Machines Corporation
5300 Cork Airport
Business Park
Kinsale Road
Cork
Ireland

Printed in the Republic of Ireland
All Rights Reserved
IBM, IBM logo, Tivoli, and Netcool are trademarks
of International Business Machines Corporation in
the United States, other countries or both.

Other company, product and service names may
be trademarks or service marks of others.