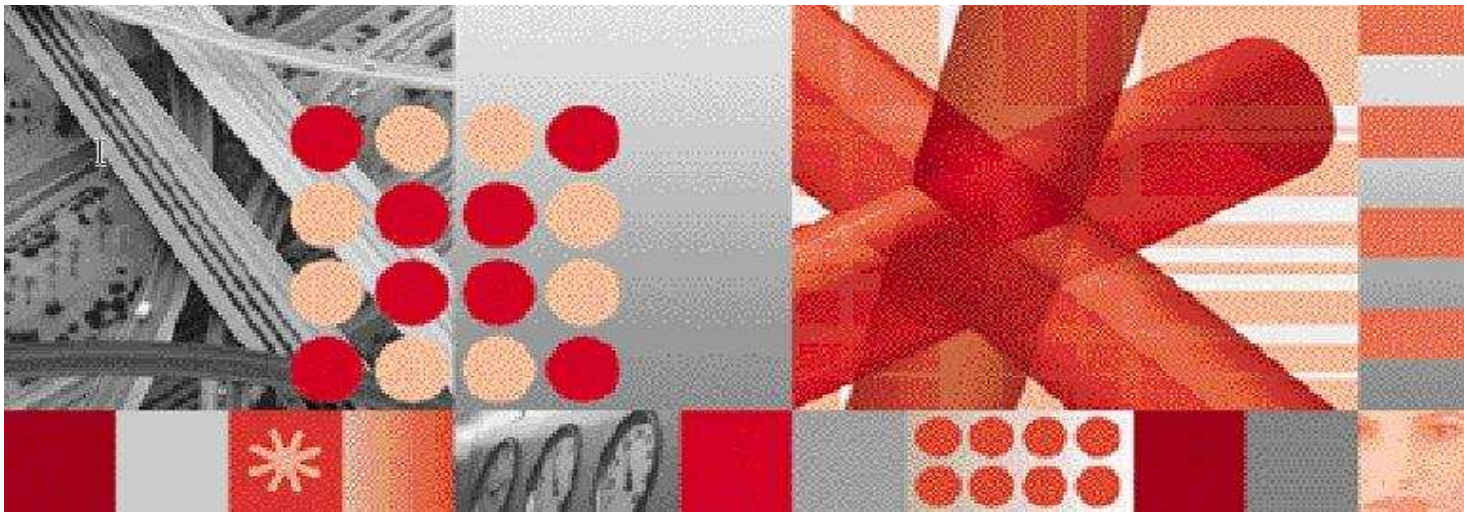
Tivoli Netcool® Performance Manager for Wireless

IBM

Version 3.4.1.1



Ericsson GSM 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.

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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.

3 Introduction

You should read this Distribution Note before proceeding to install the Ericsson GSM Gateway, which is referred to as the Vendor Gateway.

For information on the Gateway Framework, its configuration and use refer to the [Gateway User Guide].

The Gateway Framework and Vendor Gateway are supplied as separate packages. As part of the Vendor Gateway installation process, it must reference a Gateway Framework installation. This separation simplifies the maintenance and version control of multiple vendor Gateway installations on a single server.

This Distribution Note provides an overview of the release history of the Gateway Configuration.

4 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.

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 3.4.1.1

Release date 19 February 2009.

Listed below are the enhancements for this release.

#	Description
N/A	N/A

Listed below are the bugs for this release.

Bug#	Description
valnt00077591	STFIOP - Wrong removal of last space in a string
valnt00077593	STFIOP - space(s) inside a string is not converted into underscore for data ref value
valnt00077717	STFIOP - bug inside HEADER_DATA_RECORD_PROCESSING

6.2 Release 3.4.0

Release date 7 March 2007.

Listed below are the enhancements for this release.

#	Description
1	Support for Gateway Framework 3.4.0 enhancements

6.3 Release 3.3.1

Release date 1 November 2007.

Listed below are the enhancements for this release.

#	Description
1	Include modules directory for Vendor Gateways

Listed below are the bugs for this release.

Bug#	Description
57134	ASCII_INTERFACE rule - SRS 39791: HEADER should be optional

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/ericsson-gsm
```

6.4 Release 3.3.0

Release date 12 September 2007.

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

#	Description
1	Upgrade Ericsson Gateway to Gateway Framework 3.3
2	Blue wash

6.5 Release 2.3.0

Release date 1 May 2003.

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

#	Description
1	Upgrade Ericsson Gateway to 2.3 framework.

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

Bug #	Description
33376	The R2P_TRART module rule can now handle different types of TRART files, some of which will not have the ADM2 block.

6.6 Release 2.1.4

Release date 14 November 2002.

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

#	Description
1	Upgrade Ericsson 9.0 Gateway with 9.1 new data formats
2	Update Ericsson Gateway docs for 9.1

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

Bug#	Description
31395	The current ROUTE_DIRECTION.pm Perl module fails with Perl 5.6.1
31392	Some TRAR record results are incorrectly calculated, where records whose route name does not include and 'I' or 'O' or where only one records exists for a particular route.

6.7 Release 2.1.3

Release Date 01 May 2002.

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

Bug#	Description
27343	The presence of an incomplete data file caused the parser to hang on this file and to stop processing any further files. It should instead mark it as bad and continue processing.
26849	The parser currently assumes that Ericsson routes, which have a route direction of Bothway, are synchronous, i.e. that the number of circuits in the incoming part of the route is equal to the number of circuits in the outgoing part. However, this is not always the case. Some routes may be asynchronous.
24581	If we set NUMBER_OF_FILES_TO_PROCESS in our EngineConfig.pm for the STFIOPFILE rule to 6, as it appears in the default configuration file, then the parser Engine will process the first 6 input files and will then negate to process the rest.
23774	If OBJ_ID is empty the identifier – value structure in the loadmap is unbroken. This leads to loader errors such as "unknown identifier"
23533	In the example configuration file at present the ADM_RECORD_SIZE = 70. This can be misleading and should be set at 67 as in the spec.
23556 22792	Would be helpful to have extra information in logging messages in STFIO parser
23022	Where the raw file has been 'slurped' into $i. What this error means is that the x$pos part of the unpack command, used to skip to the next position in the file, is searching past the end of $i. We need some checking to ensure $pos is not greater than the length of $i. If this is violated, then mark the file bad.

7 Type(s) and release(s) supported

The Gateway has been tested for:

Vendor Performance data	Type	Release
Ericsson	GSM	R8.0, R9.0, R9.1

8 Hierarchy input files

Scope	Attendant Format/Syntax
Input hierarchy file names to expect	N/A
Input hierarchy file format to expect	N/A
Equipment/devices to expect data from	N/A
Extraction mechanism	N/A

9 Raw input files

Scope	Attendant Format/Syntax
Performance Measurement File Types	STFIOP, ASCII, MTCES/MCS, MTCRR, MTRVC, TRAR, TRART, TRDIP, SEQS and C7PM.
Input file names to expect	These can vary and the Gateway can be configured with the appropriate Perl RE that will match files with the correct engine 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 components.

Appendix A Notices and Trademarks

This appendix contains the following:

- Notices
- Trademarks

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