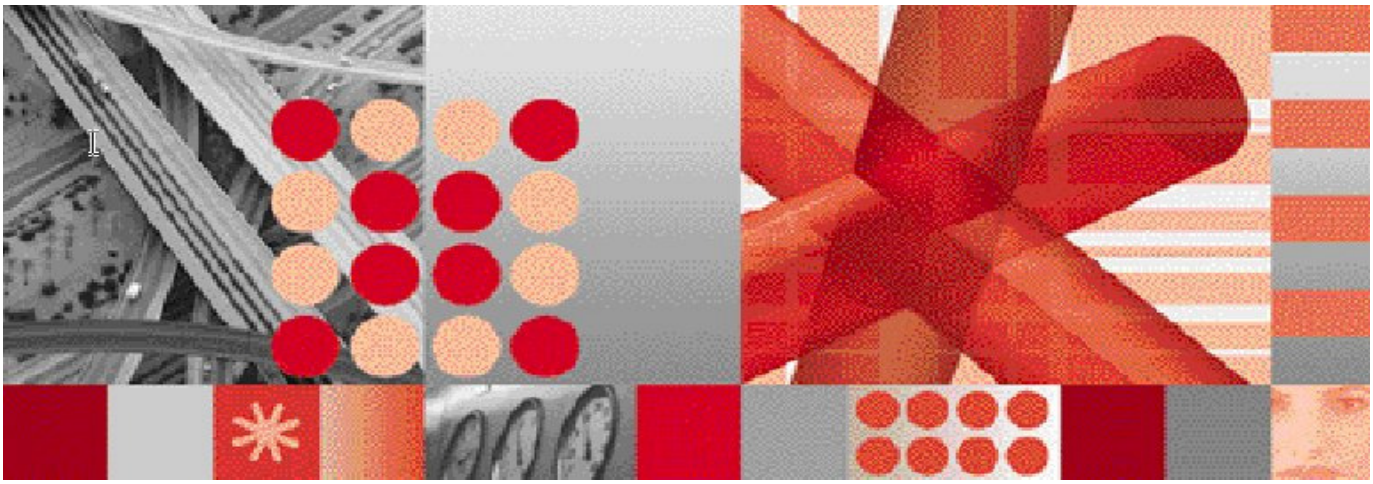
Tivoli Netcool® Performance Manager for Wireless

IBM

Version 3.5.0



Generic CSV Gateway Distribution Note

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

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
[Install Note]	This document describes the steps required to install and run a Gateway.
[Gateway Framework Distribution Note]	This document provides an overview of the release history of the Gateway Framework.

3 Introduction

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

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

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 3.5 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 3.5.0

Release date 20 August 2008.

Listed below are the enhancements for this release.

#	Description
58931	COUNTER_NAME_MAPPING - Handle coma in long counter name
58930	Strip or replace special characters in COUNTER_NAME_MAPPING
58192	Log message for HEADER_DATA_RECORD_PROCESSING return value
57629	GENERIC_CSV_GATEWAY: GLOBAL_SUBSTITUTION not workin with non-word characters
55852	GENERIC_CSV_GATEWAY crashes in TOPOLOGY_MODE
55131	csv_gateway-r3.0.0.1 doesn't check for mandatory engine config rule options.
54166	Preparser return status should be handled
54160	HEADER_INFO_FOR_PIF_FILENAME needed in CSV parser
52203	CSV for Motorola BSS GSR7: Error should be raised when parser fails to create a pif file.
47136	Memory, Functionality and performance enhancement to %seen PIF tracking
47134	Set Blockname from the EngineConfig.pm (and based on an input field)
1	Support for Gateway Framework 3.4.0 enhancements

6.2 Release 3.4.0

Release date 30 January 2008.

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.

The following are enhancements included in this release:

#	Description
1	Include modules directory for Vendor Gateways
2	Add new configuration entry HEADER_INFO_TO_KEY_PIF_FILENAME
3	Add new configuration entry QUICK_DATA_SPLIT and OVERWRITE_PIF

The following are bug fixes included in this release:

Bug#	Description
58315	Rejection of mapping with 'LN' counter name during loading
58313	Huawei SGSN: "Confirmations of SM Alert due to MS's memory available" long name counter mapping
57964	Huawei_MSC_Server_R003 parser has not reproduced some counters in the lif for the block M83888103
57932	Huawei BSS R002R005 parser does not parse the raw data
57901	Parser throws error in the log file without parsing

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/generic-csv
```

6.4 Release 3.3.0

Release Date 21 July 2007.

The Vendor Gateway is updated for compatibility with the Gateway Framework r3.3.0 Bluewash release.

The following are enhancements included in this release:

#	Description
1947	Add configuration entry OUTPUT_BLOCK_NAME
1950	Add DEFAULT_NULL_VALUE entry
1951	Add HEADER_DATA_RECORD_PROCESSING entry
1952	Add HEADER_DATA_RECORD_PROCESSING entry README
1953	USEMAXVAL bug fix
1955	Remove empty counters name
1958	Migrate PRODUCE_LIF to OUTPUT_FORMAT

1963	Enhance GENERIC_CSV_GATEWAY
1982	Pass block name as reference to the HEADER_DATA_RECORD_PROCESSING
2083	Remove ^M from line
2090	Include other Path data types
2888	Add HEADER_INFO_TO_KEY_PIF_FILENAME

6.5 Release 3.0.0

The Vendor Gateway is updated for compatibility with the r3.0.1 Gateway Framework. Now distributed separated from the framework release. Enhancements are inline with each Gateway Framework.

The following is included in this release:

#	Description
1	CSV Gateway - Reads in most delimited or ASCII data and converts to LIF (& CSV or XML) Associated Documentation (In Package Docs directory & User Guide)

7 Type(s) and release(s) supported

It is expected that this list will grow extensively over time. These are the types of data that the parser has been used successfully with.

Vendor Performance data	Release	Notes
Motorola SQL	GSR 7.0/GSR8	SQL multi-line
Nokia SQL	NetAct OSS 3.x	SQL multi-line
Alcatel SDH	1394	CSV + Topology
Lucent IN	8.5, 10.3	CSV data
Motorola IDEN	9.8, 10.5, 11.0	
Ericsson	J20	
Alcatel CN	-	
Nortel SDM		IP CSV Data
Huawei NSS	V33	ASCII report Data

8 Raw input files

Scope	Attended Format/Syntax
Input files names to expect	<Filetype>.csv (varies as it is user-configurable)
Input file formats to expect	File formats similar to (though not restricted to): ***1x Delimited Header Line <Line Break> followed by*** ***N x Delimited Data Line <Line Break>*** Each format should have a different file name. Each format should have a static number of fields.
Equipment/devices to expect data	All devices that produce delimited-like data outputs

8.1 Supported Formats

V3.0.0 of the CSV Gateway Kit natively Supports Huawei NSS ASCII Report Format.

Appendix A Notices and Trademarks

This appendix contains the following:

- Notices
- Trademarks

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