



Alcatel BSS Gateway Distribution Note

**TIVOLI® NETCOOL® PERFORMANCE MANAGER FOR WIRELESS
ALCATEL BSS 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.
[Gateway Framework Distribution Note]	This document provides an overview of the release history of the Gateway Framework.

2.2 Other Related Documents

Document Name	Document Description
N/A	N/A

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 23 June 2008.

Listed below are the enhancements for this release.

#	Description
1	Support for Gateway Framework 3.4
2	Build for AIX and Red Hat Linux on PPC platform support

Note:

Please refer to the Gateway Framework Installation Note for the new structure and procedure of running Gateway 3.4.

6.2 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 is a summary of the bugs fixed in this release.

Bug#	Description
57397	Core issues with error handling and log level settings
57319	Parser does not process TYPE 03 data correctly
57038	Large pt file created when "Can't set the position past the end of the record" is found in the log
56922	Alcatel BSS Binary Parser not parsing out all the repeated blocks of TYPE_1130
56702	parser can go in an infinite loop resulting in .pt files to grow in size which in turns increases their disk usage
56256	Type 180 are not all correctly decoded
56184	Type 1135 are not all correctly generated
56183	Type 1130 does not output in Alcatel GSM BSS B9

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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 1 August 2007.

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

#	Description
1	Blue Wash
2	Additional PM File Type 32, 33 and 34 for v9.0 data

Known Issues:

The `LOG_LEVEL` must be set a minimum of 2 and above. `LOG_LEVEL` 1 and below causes the parser to output an extra line in the data block.

6.4 Release 3.0.1

Release 10 March 06

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

Bug#	Description
54641	Alcatel BSS Gateway now handles compressed files
54657	Alcatel BSS Gateway now handles 0 cells in the type 31 data
45368	Compressed hierarchy files now supported
45369	Compressed data files now supported
54665	Alcatel BSS now support 3 byte type mapping.
54328	Ruletype <code>TYPE_110</code> now properly configured.
45367	Type 3120 counter values now correct for v8.0 data
44574	<code>FILE_BLOCK_SPLIT.pm</code> cannot parse Alcatel <code>TYPE_31</code> data files
41964	Correct <code>BLOCKNAMES</code> for alcatel types now outputted
45370	Now removes uncompressed file if incorrect version of the parser rule.
47498	Alcatel BSS now uses system <code>difftime</code> call to handle <code>GMT DIFF</code>
48512	Block 3120 and 3121 now include extra keys during joins to ensure output.
53186	Now works with more than one <code>BSSConfig</code> file setup.
54225	Gateway not supporting B9 data due to change in BSS Configuration file format.

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

Enhancement #	Description
1	Support for Alcatel BSS version 9.0 performance data.

6.5 Release 3.0.0

Release date 25 June 2004.

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

Bug#	Description
41009	Now uses the counter name "START_DATE" instead of PM reserved word "DATE" in PIF header data.
39173	Now handles abrupt endings in faulty hierarchy files correctly.
41700	TYPE_110.pm rule configurations now all ported to the EngineConfig.pm rule instance.

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

#	Description
1	Support for Alcatel BSS version 8.0 performance data.
2	Upgrade to 3.0 Gateway Framework.
3	New Alcatel BSS Gateway User Guide.

6.6 Release 2.3.0

Release date 9 June 2003.

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

Bug#	Description
15621	Remove auto uppercase of all Ids
16136	Request for additional integrity checking of files as they are processed. Code is already there with numbers so they just need to be checked, one against the other
24751	Add BTS_NAME to list of non additive counters so it is not corrupted in post parser rule.
28016	Problem with handling of shorts in c code. Description includes fix information.
28850	Configuration naming of counter incorrect, does not match vendor document.
32454	Co-Existing support for Perl 5.004 and Perl 5.6.1 removed. Now only supports Perl 5.6.1.
32461	Network configuration file output now uniquely named using OMC.
32462	Parser engine rule does not correctly remove raw files if an input storage directory is not being used.

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32465	Bug in configuration shipped with parser. The counters “Number of Unusable Samples” & “Total Number of Samples” have now been removed from the configuration.
32513	Co-Existing support for Perl 5.004 and Perl 5.6.1 removed. Now only supports Perl 5.6.1.
33097	The closing end block tags are incorrect in PIF files with multiple blocks.
33799	File type TYPE_31 is now parsed correctly. Engine now translates type 31 to block type 3100 (Multiple 100 support).
33800	The BSS min and max version has been expanded to 50 and 90 respectively for Alcatel BSS v7.2.

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

Bug#	Description
34074	TYPE 31 data bytes are encoded differently to all other Alcatel BSS Types as big endian. Support for big endian transformation is required.
34075	The parser now outputs all block names as the block type (3100,3100,3115) rather than the general type. Types with two blocks(180 still retain the generic type as block name.
34076	To allow post processing each of the component types are output to separate files. This is done using a new post parser rule.
34077	Type 31 hand-over measurements (types 3120 & 3121) have a different structure to the other hand-over measurements (type 180 etc). A counter repeating functionality is included for a configured section of these blocks.

6.7 Release 2.1.0

Release Date 11 Oct 2002.

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

Bug#	Description
N/A	Upgrade Alcatel BSS 7.0 Gateway with 7.2 data formats
N/A	Update Alcatel BSS Gateway docs for 7.2
N/A	Upgrade to Gateway framework to v2.1
N/A	Include support for Perl 5.6.1

7 Data type and releases supported

The Gateway has been tested for:

Vendor Performance data	Type	Release
Alcatel	BSS	V9.0, v8.0, v7.2, v7.0, v6.0

7.1 Raw input files

Scope	Attended Format/Syntax
Performance Measurement File Types	TYPE1, TYPE2, TYPE3, TYPE4, TYPE5, TYPE6, TYPE7, TYPE8, TYPE9, TYPE10, TYPE11, TYPE12, TYPE13, TYPE14, TYPE15, TYPE18, TYPE19, TYPE25, TYPE26, TYPE27, TYPE28, TYPE29, TYPE30, TYPE31, TYPE32, TYPE33, TYPE34, TYPE110 and TYPE180
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. EG. PMRES110.06A.81.172009803_Baden.2002-08-08.07:02:18.11.82 PMRES180.01A.81.172009803_Baden.2002-08-08.10:40:01.16.82
Equipment/devices to expect data from	Operations & Management Platform (GSM) – means of interfacing with GSM Wireless Networks for the collection and reporting of service measurements.
Extraction mechanism	GSM produces data for all the BSS components.

7.2 Hierarchy input files

Scope	Attended Format/Syntax
Input files names to expect	Hierarchy EG BSSConf.OMC3.20020808110942
Input file formats to expect	ASCII
Equipment/devices to expect data	Operations & Management Platform (GSM) – means of interfacing with GSM Wireless Networks for the collection and reporting of service measurements.
Extraction mechanism	GSM produces data for all the BSS components.

Appendix A Notices and Trademarks

This appendix contains the following:

- Notices
- Trademarks

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