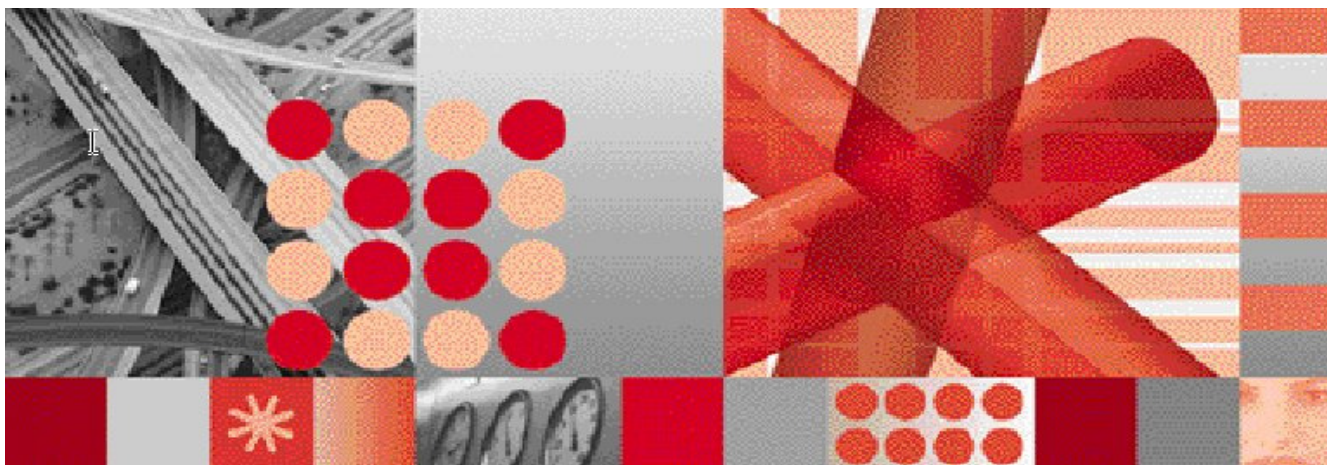




Version 1.0



README
GPRS Motorola GGSN v050 Patch v2.0.1

GPRS MOTOROLA GGSN v050 PATCH README

Note: Before using this information and the product it supports, read the information in Notices on page 8.

This edition applies to Version 1.0 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 release notes and any readme file distributed with your Performance Manager for Wireless software. Readme files and release note may contain information specific to your installation not contained in installation *Tivoli Netcool Performance Manager Technology Package Installation Notes*. 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 Installation

2.1 Technology Pack Patch Contents

This section describes the contents of the technology pack patch package.

- **Docs (DOCS/)**
 1. 2.0.1-TIV-NA-MOTV050-FP0001.pdf
 - Quick reference guide for deployment of a Technology Pack Patch.
 2. PRS & FS
 - Product Requirement Specification and Functional Specification for this Technology Pack Patch.
- **Gateway Patch File**
 1. EngineConfig.pm
 - The EngineConfig.pm file contains the configurations for the Parser stage

2.2 Gateway Configuration Patch

2.2.1 Pre-requisites

The Motorola GGSN v050 Technology Pack requires the following Gateway Framework, Vendor Gateway, Gateway Configuration, SNMP Gateway Configuration and Gateway Configuration.

- vallent-vt-gways-gateway-framework-3.4.2.1.tar.gz
- vallent-vt-gways-generic-csv-3.4.1.1.tar.gz
- vallent-vt-snmprway-cfg-motorola-ggsnv50-2.1.0.tar.gz
- vallent-vt-gways-cfg-motorola-ggsn-3.4.0.tar.gz

2.2.2 Gateway Configuration Patch Implementation

To implement the gateway configuration patch, please follow the following instruction:-

1. Backup the existing EngineConfig.pm with a meaningful name.
\$ mv EngineConfig.pm EngineConfig.pm.GC340
2. Copy EngineConfig.pm from this patch to correspond
\$Gateway_DIR/motorola-ggsn/v50/ directory.

2.3 Technology Pack Patch

This section explains the procedure to implement this Technology Pack Patch on a step by step basis. Please read each section and subsection carefully.

2.3.1 Pre-requisite Requirements

Before installing this technology pack, the following GOM technology packs must be installed and in the following sequence.

- vallent-vt-Neutral_Core_GOM-1.0.tar.gz
- vallent-vt-Neutral_GSM_BSS_NSS_GOM-1.0.tar.gz
- vallent-vt-Neutral_GPRS_UMTS_CN_GOM-1.0.tar.gz
- vallent-vt-Neutral_UMTS_UTRAN_GOM-1.0.tar.gz
- vallent-vt-Neutral_GPRS_BSS_GOM-1.0.tar.gz
- vallent-vt-GPRS_Motorola_GGSN_v050-2.0.0.tar.gz

The following patch is required before implement this patch.

- TNPMW GPRS Motorola GGSN v050 Patch 2.0.0.1-TIV-NA-MOTV050-IF0001

Notes: There are typos on the readme for the patch 2.0.0.1-TIV-NA-MOTV050-IF0001. Correction on page 3, section1, step 2 and page 4, section 2, step 2 as below:

2. Copy the SummaryInstancePCalcs.xml file from SUMMARIES/ in the Patch package into the following location:
/appl/virtuo/admin/techpacks/GPRS_Motorola_GGSN_v050/2.0.0/summaries

2.3.2 Technology Pack Patch Implementation

1. Display the running loader.

```
[virtuo]sap disp
NAME                               STATE    SINCE
as                                  STARTED 20:26:33
loadgprsmotorolaggsn_v50          STARTED 15:11:57
```

2. Stop the related running loader. In this case, loadgprsmotorolaggsn_v50.

```
sap stop loadgprsmotorolaggsn_v50
```

3. Find the datasource_id for the Technology Pack.

```
SELECT datasource_id FROM lc_datasource WHERE
datasource_name='GPRS Motorola GGSN' AND
datasource_version='v50';
```

4. Find the ruleset_id for the datasource_id from step 1.

```
SELECT ruleset_id FROM lc_ruleset WHERE
datasource_id='<datasource_id>';
```

5. Set the escape character.

```
SET ESCAPE '\';
```

6. Update the expression and customised_flag.

```
UPDATE lc_loadmap SET expression='systemIPAddress \&
 ":" \& index' WHERE ruleset_id='<ruleset_id>' AND
```

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```
blockname='cgprsAccPtStatisticsEntry' AND  
colalias='apn_id';
```

```
UPDATE lc_loadmap SET customised_flag='Y' WHERE  
ruleset_id='<ruleset_id>' AND  
blockname='cgprsAccPtStatisticsEntry' AND  
colalias='apn_id';
```

7. Alter the table data type.

```
ALTER TABLE mot_gtpsession_ltm MODIFY  
(wjlojthsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_tab MODIFY  
(wjlojthsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_wbh MODIFY  
(wjlojthsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_mbh MODIFY  
(wjlojthsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_dbh MODIFY  
(wjlojthsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_dsm MODIFY  
(wjlojthsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_wsm MODIFY  
(wjlojthsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_msm MODIFY  
(wjlojthsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_ltm MODIFY  
(wjlojtjsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_tab MODIFY  
(wjlojtjsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_wbh MODIFY  
(wjlojtjsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_mbh MODIFY  
(wjlojtjsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_dbh MODIFY  
(wjlojtjsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_dsm MODIFY  
(wjlojtjsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_wsm MODIFY  
(wjlojtjsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_gtpsession_msm MODIFY  
(wjlojtjsom2ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_apn_ltm MODIFY  
(sqn5mytsp52ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_apn_tab MODIFY  
(sqn5mytsp52ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_apn_dbh MODIFY  
(sqn5mytsp52ahbtd0035xqnmkn NUMBER(19));  
ALTER TABLE mot_apn_mbh MODIFY  
(sqn5mytsp52ahbtd0035xqnmkn NUMBER(19));
```


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```
ALTER TABLE mot_apn_wbh MODIFY
(sqn5mytsp52ahbtd0035xqnmkn NUMBER(19));
ALTER TABLE mot_apn_dsm MODIFY
(sqn5mytsp52ahbtd0035xqnmkn NUMBER(19));
ALTER TABLE mot_apn_wsm MODIFY
(sqn5mytsp52ahbtd0035xqnmkn NUMBER(19));
ALTER TABLE mot_apn_msm MODIFY
(sqn5mytsp52ahbtd0035xqnmkn NUMBER(19));
ALTER TABLE mot_apn_ltm MODIFY
(sqn5myvsp52ahbtd0035xqnmkn NUMBER(19));
ALTER TABLE mot_apn_tab MODIFY
(sqn5myvsp52ahbtd0035xqnmkn NUMBER(19));
ALTER TABLE mot_apn_dbh MODIFY
(sqn5myvsp52ahbtd0035xqnmkn NUMBER(19));
ALTER TABLE mot_apn_mbh MODIFY
(sqn5myvsp52ahbtd0035xqnmkn NUMBER(19));
ALTER TABLE mot_apn_wbh MODIFY
(sqn5myvsp52ahbtd0035xqnmkn NUMBER(19));
ALTER TABLE mot_apn_dsm MODIFY
(sqn5myvsp52ahbtd0035xqnmkn NUMBER(19));
ALTER TABLE mot_apn_wsm MODIFY
(sqn5myvsp52ahbtd0035xqnmkn NUMBER(19));
ALTER TABLE mot_apn_msm MODIFY
(sqn5myvsp52ahbtd0035xqnmkn NUMBER(19));

UPDATE wmd_col_def SET precision = 19,
min_value = -10000000000000000000,
max_value = 10000000000000000000
WHERE field_id IN (SELECT field_id FROM wmd_col_def
WHERE LOWER(col_name)
IN('wjlojthsom2ahbtd0035xqnmkn','wjlojtjsom2ahbtd0035x
qnmkn','sqn5mytsp52ahbtd0035xqnmkn','sqn5myvsp52ahbtd0
035xqnmkn')) AND precision is not null);
```

8. Commit the changes.

```
commit;
```

9. Start the related loader. In this case, loadgprsmotorolaggsn_v50

```
sap start loadgprsmotorolaggsn_v50
```

3 Defects Fixed

Bugs resolved in GPRS MOTOROLA GGSN v050 Fix pack version 2.0.1.

<i>APAR / CQ Tickets</i>	<i>Headline</i>
IZ26179 / valnt00079438	Current regular expression did not consider a variety of server names
IZ26179 / valnt00079449	The 2 sub-IDs i.e. <code>systemAddressName</code> and <code>systemName</code> should be embedded within each data blocks within the LIF.
IZ31931 / valnt00079453	APN object has 2 blocks which have different primary keys.
IZ43584 / valnt00077738	Error Received while running MOTOROLA_CISCO_GGSN_PDP_CREATION_BUSY_HOUR
valnt00079455	TNPMW GPRS_Motorola_GGSN_v050_2.0.0.0: Mapping information to be updated for "apn_id" in nc_apn.

4 Known Problems

Please refer to the GPRS MOTOROLA GGSN v050 version 2.0.0.0 readme for the known problem.

Appendix A Notices and Trademarks

This appendix contains the following:

- Notices
- Trademarks

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