Oracle® Communications
Tekelec Policy Management

Release Notice

Release.10.0.3

E56537-02

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ORACLE®

Table of Contents

Introduction

This release notice lists the Resolved and Known PRs for Policy Management Release 10.0.3.

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Release Notices are distributed to customers with a new software release at the time of Product Availability. They are updated for each Maintenance Release.

Upgrade Paths

10.0.3 supports the following upgrade paths

	From	To
CMP	N/A	N/A
MPE-LI	10.0.2	10.0.3
MRA	10.0.1	10.0.3

NOTE:

- Any upgrade other than listed above is not recommended or supported.
- 10.0.3 is supported as a new/fresh installation.
    - MRA
    - MPE-LI

Load Lineup

This version of Policy Management 10.0.3_5.1.0 includes:

Application Lineup

- MPE-LI
- MRA

Platform Lineup

- TPD 5.1.1_73.5.1
- Comcol 6.0p224.8237

PR Severity Definitions

The PR sections in this document refer to PR severity levels. Definitions of these levels can be found in the following publication:

TL 9000 Quality Management System Measurement Handbook

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Resolved PRs

Table RN-1. NOTE: ***Table RN-1 Policy Management 10.0.3 Resolved PRs***

PR #	SR#	Severity	Title	Description
19120518	2-9400604	3-Minor	1040726 [242442] PCRF updates DEBQ with value received in CCr-U from PGW	Based on current policy evaluation design, if the MPE receives an incoming message which contains DEBQ, then this value is used and updated to the session. It's not expected that the DEBQ would be updated after initial session establishment, however there is concern about a scenario where PGW did send a CCR-U that contained DEBQ which caused the MPE to update with this new value and broke the expected policy evaluation logic as the QCI value was now different than what was expected for this APN. There were also concerns about scenarios where the AMBR might be changed in the middle of an established session which could also break the expected policy evaluation.The behavior should be changed so that values received in CCR-Us are ignored and the original installed values are the only ones used by the MPE for policy evaluation.
19285787	9374609331	3-Minor	SIP 503 error - in certain race conditions involving multiple PDN connections being set up in parallel for the same subscriber, IP indexes for some of the PDN connections are not written to the binding DB	If two or more Gx CCR-Is for the same subscriber are processed in parallel at the MRA for a new subscriber (i.e. no existing binding), IP indexes for only the first processed Gx CCR-I will be written to the binding DB. Two Gx CCR-Is were sent to the MRA around the same time for the same subscriber, one for the internet APN and the other one for the IMS APN. The internet APN Gx CCR-I was processed first at the MRA, causing the IPv6 index for the IMS APN to not be written to the MRA binding key DB. Later on, when an Rx AAR-I was sent with the IMS IPv6 address, the binding lookup failed at the MRA resulting in a SIP 503 error.

PR #	SR#	Severity	Title	Description
19308023	3-9277125411 3-9394863351	3-Minor	IP index may be overwritten in MRA binding DB when a stale IP is re-used	When a PDN connection for subscriber A is terminated but the corresponding Gx CCR-T is not sent to the MRA, the PDN connection within the binding maintained by the MRA becomes stale. If at a later point the following two conditions happen in this order: 1. A different subscriber (subscriber B) uses an IP address from the stale PDN connection that subscriber A had terminated, AND 2. Subscriber A sets up a new PDN connection for the same APN as the stale PDN connection with a new IP address Then, the MRA deletes the IP address for subscriber B from the binding db ip key table. If the erroneously deleted IP was used for the IMS PDN connection for subscriber B, Rx AAR for subscriber B will fail as the MRA will not be able to lookup subscriber Bs binding based on the IP address in the AAR.
19327081	3-9277125411	3-Minor	Stale MRA binding after two requests from the same sub and APN but diff originHost’	This PR has been closed as it is a duplicate of 19308023, which has been resolved in this 10.0.3 Release.

Customer Known PRs

Table RN-2. Policy Management 10.0.3 Customer Known PRs

PR #	CSR#	Severity	Title	Customer Impact
222749	N/A	Minor	MRA Failover on G8 perf demo system caused MPE's to go TOO BUSY for short period of time	After an MRA failover by physically removing the active MRA in a cluster, when the standby blade recovers, the resync of the Bindings can take up to a minute. During this time the some MPE's will report “Too Busy" for a very brief period of time (less than a second).
230268	1012856	Minor	Resource allocation notification enabled for all flows	When applying traffic profiles to Rx flows in Policy rules, it is possible to enable resource allocation notification on the traffic profile. If there are multiple flows in a Rx request(for example, audio and video), and resource allocation notification is only enabled on one of the flow(for example the audio flow) by application of a traffic profile to that flow, the resulting Gx RAR enables the resource allocation notification on all the charging rules. It should enable resource allocation notification only on rule related to the flow on which the traffic profile is applied.

Oracle Tekelec References and Services

My Oracle Support (MOS)

MOS (*https://support.oracle.com*) is your initial point of contact for all product support and training needs. A representative at Customer Access Support (CAS) can assist you with MOS registration. Call the CAS main number at **1-800-223-1711** (toll-free in the US), or call the Oracle Support hotline for your local country from the list at *http://www.oracle.com/us/support/contact/index.html*. When calling, make the selections in the sequence shown below on the Support telephone menu:

1. Select **2** for New Service Request

2. Select **3** for Hardware, Networking and Solaris Operating System Support

3. Select **2** for Non-technical issue

You will be connected to a live agent who can assist you with MOS registration and provide Support Identifiers. Simply mention you are a Tekelec Customer new to MOS.

MOS is available 24 hours a day, 7 days a week, 365 days a year.

Emergency Response

In the event of a critical service situation, emergency response is offered by the My Oracle Support 24 hours a day, 7 days a week. The emergency response provides immediate coverage, automatic escalation, and other features to ensure that the critical situation is resolved as rapidly as possible.

A critical situation is defined as a problem with the installed equipment that severely affects service, traffic, or maintenance capabilities, and requires immediate corrective action. Critical situations affect service and/or system operation resulting in one or several of these situations:

- A total system failure that results in loss of all transaction processing capability
- Significant reduction in system capacity or traffic handling capability
- Loss of the system's ability to perform automatic system reconfiguration
- Inability to restart a processor or the system
- Corruption of system databases that requires service affecting corrective actions
- Loss of access for maintenance or recovery operations
- Loss of the system ability to provide any required critical or major trouble notification

Any other problem severely affecting service, capacity/traffic, billing, and maintenance capabilities may be defined as critical by prior discussion and agreement with the My Oracle Support Center.

Customer Training

Oracle offers a variety of technical training courses designed to provide the knowledge and experience required to properly provision, administer, operate, and maintain Oeacle products. To enroll in any of the courses or for schedule information, contact Oracle University .