

**Oracle® Communications  
EAGLE Application Processor**

**Release Notes**

Release 16.0

**E54367 Revision 1**

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Oracle® Communications EPAP 16.0 Release Notes

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## Introduction

This Release Notes document lists the Resolved and Known PRs for EPAP Release 16.0.0, Build 160.17.0.

This Release Notes also includes:

- Upgrade Paths
- Software Compatibility

Release Notes are distributed to customers with a new software release at the time of General Availability (GA). They are updated for each Maintenance release.

Release Notes are available only on the Oracle Technical Network (OTN) site. For each new publication to the OTN site, the revision level of the part number is incremented. See *Locate Product Documentation* below

## 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.*

## Locate Product Documentation on the Customer Support Site

Oracle customer documentation is available on the web at the Oracle Technology Network (OTN) site, <http://docs.oracle.com>. You do not have to register to access these documents. Viewing these files requires Adobe Acrobat Reader, which can be downloaded at [www.adobe.com](http://www.adobe.com).

## Procedure

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1. Navigate to the OTN site at <http://docs.oracle.com>
2. Under Applications, click the link for **Communications**. The **Oracle Communications Documentation** window opens with Tekelec shown near the top.
3. Click **Oracle Communications Documentation for Tekelec Products**.
4. Navigate to your Product and then the Release Number, and click the **View** link (the **Download** link will retrieve the entire documentation set).
5. To download a file to your location, right-click the PDF link and select **Save Target As**.

## Resolved PRs

The Resolved PRs table shows an impact statement for Severity 1 and 2 PRs as well as for Severity 3 PRs that are associated with a CSR.

*Table RN-1* lists Resolved PRs for EPAP 16.0.0-160.17.0.

**NOTE:** Resolved PRs are sorted in ascending order by Severity (Sev), and then by PR number.

**Table RN-1. Resolved PRs for EPAP Release 16.0 Build 160.17.0 (11/14/14)**

PR#	CSR?	Sev	Title	Customer Impact
221926	Y	3	Different values for ST (Subscriber type) in DN retrieve for PDBA and RTDB	None/low - low to no impact.
226013		3	RAMP EPAP15-E5-APP-B PDB switchover failing.	
227337	Y	3	PDBA allows to re-enter the same IMEI again, which may cause inconsistency between PDB and RTDB DBs.	PDBA allows to re-enter the same IMEI again, which may cause inconsistency between PDB and RTDB DBs.
228953		3	Need to change date in zoneinfo/Israel as per latest Israel government laws.	
230154	Y	3	Update to PDBI Manual for further details on "Remote Port Forwarding" feature.	Customer may be unaware that the Remote Port Forwarding (SSH tunneling) approach can be used simultaneously with Transaction-Oriented provisioning modes.
230209		3	The ping test for backup prov network not present in syscheck.	
19708991		3	New Timezone introduction in Russia	
113753		5	Add SNMP Interface on EPAP	
216836		5	EPAP DN Block capacity extensions (from 100K to 200K ranges)	
222375		5	Enhance/Improve EPAP-to-Eagle RTDB download in EPAP 16 - Eagle 46.	
228220		5	Standalone PDB on EPAP	
228417		5	EPAP - Support of latest Java Client version (1.7)	
229292		5	EPAP 16.0 Upgrade and O&M requirements	
233538		5	EPAP - Security updates related to OS (CentOS) and MySQL	
234392		5	Oracle Re-branding: Copyright	
234395		5	Oracle Re-branding: Logo	

## Customer Known PRs

Table RN-2 lists known PRs for EPAP 16.0.

**NOTE:** Known PRs are sorted in ascending order by Severity (Sev), and then by PR number.

**Table RN-2. Known PRs for EPAP 16.0 (11/14/14)**

PR#	CSR?	Sev	Status	Disposition	Title	Customer Impact
241087		2	Resolved	Defer	EPAP 16.0: Unable to open GUI when listening ports are changed from epapconfig menu.	Port definitions that are altered from their default configuration in the Configure Forwarded Ports menu will not properly function. The default port definitions should not be altered to avoid issues affecting the operation of system services.
19164576		2	Resolved	Defer	EPAP_16.0_ST : No error for backup, O&M or GUI in case of connectivity loss.	This has no impact on provisioning and automated actions of EPAP GUI.
157729		3	Resolved	Defer	Sporadic PDBA core dump when transaction is committed and Proxy Feature ON and connection to MySQL server on B is lost	Customer must try to resend the provisioning that was in progress when the pdba core dumped. No other work is required since the PDBA will restart automatically and the database will be rolled back.
159506		3	Resolved	Defer	IMSI range provisioning on standby PDB GUI is successful and replicates change to the active PDB.	Behavior does not cause a problem, however this behavior is inconsistent with other PDBA provisioning.
160755		3	Resolved	Defer	No Updates 1017 RC is not being returned when using force=yes	No operational impact. Wrong return code is returned.
195256		3	Resolved	Defer	EPAP_14.0: Alarms text decoded on EPAP GUI is different from the manual	There is no customer impact other than there may be confusion about the decoded message stating "Error" and the document stating "Failure". The code should be changed to align with the document and the platform.
197708		3	Resolved	Defer	EPAP_14.0_ST: Unwanted editable value for parameter "Maximum number of records to return:" is shown on GUI.	Minimal system impact. This behavior is a little inconsistent with the typical behavior for displaying EPAP GUI fields but presenting the value has no functional impact.

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201748		3	Resolved	Defer	EPAP_14.0_ST: MySQL replication is broken after back out from EPAP 14.0 to EPAP 13.0	<p>The customer will see the replication errors in the banner of the GUI.</p> <p>MSG: MySQL data replication error detected; Attempting to restart</p> <p>MSG: Attempt to restart MySQL replication failed</p> <p>Oracle will need to execute work around.</p>
204843		3	Resolved	Defer	EPAP does not display some values	Some parameters are only displayed when their value is "yes". Nothing is displayed for some non-provisioned parameters. Without an explicit list of parameter values, customers could make the wrong assumption about parameter values.
209654		3	Resolved	Defer	The RTDB reload for PDB: 36 hours is not a valid number for support. At max it needs to fit in 6-hour maintenance window.	The current time is 36 hours, which is not a valid number for support. At max it needs to fit in 6-hour maintenance window. The impact makes supporting disaster recoveries very long and tedious.
216959		3	Resolved	Defer	EPAP 15.0:240MDB-PDBI_TXN_TIMEOUT occurs when DN is retrieved using NE filter from EPAP GUI.	The customer may be inconvenienced by larger queries that time out before returning the results requested. They will have to break up the large queries into smaller ones that will complete.
217328		3	Resolved	Defer	EPAP15.0 CPS for rtrv DN end values is less.	When doing a rtrv at the beginning of a range the CPS is higher, when doing a rtrv at the end of a range the CPS is lower.
217386		3	Resolved	Defer	EPAP15.0 PDDBA software is not getting started.	The Pdba application could not be stopped successfully from the CLI, but the operation is successful from the GUI.
217661		3	Resolved	Defer	EPAP15.0 CPS for rtrv DN Block and IMEI Block from the end is less than the expected CPS.	DN Block and IMEI Block provisioning may be below the expected performance rates.
217662		3	Resolved	Defer	EPAP15.0 CPS for ADD DN Block and IMEI Block at the end is less than the expected CPS.	DN Block and IMEI Block provisioning may be below the expected performance rates.
218547		3	Resolved	Defer	EPAP 15.0 In some scenarios, E1032 is not observed when command is aborted.	The impact is very low, as the user wants to abort the operation anyway. The E1032 error is not displayed but the previous menu is displayed.
218976		3	Resolved	Defer	While provisioning IMEI if all the 8 IMSIs are 15-digit numbers then it's getting failed	No real detrimental system impact. The transaction will be rejected and no actual provisioning will take place.



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219396		3	Resolved	Defer	EPAP15.0_ST: Concurrent logins of EPAP GUI is not working correctly.	All sessions on the same PC to the same EPAP will use the permissions of the last login from that PC.
219444		3	Resolved	Defer	EPAP15.0_ST: GUI via HTTPS is not working correctly.	No real detrimental system impact. The user has to login again.
220308		3	Resolved	Defer	In Epap 15.0_ST core.context.23785 is Observed.	There could be alarm for a core file when there is no actual impact on the system running.
221306		3	Resolved	Defer	EPAP15.0_ST: "View RTDB status" MinDsmSz" shows garbage value when no eagle is connected	No real impact to operation.
221507		3	Resolved	Defer	Syscheck fs module and the Linux df command seem to calculate the spaced used differently	May be some confusion as the two different ways to show size show two different values. However there is no operational impact.
222593	Y	3	Resolved	Defer	The mail queue is not being delivered to the mailboxes of the users. (mail is not configured correctly on EPAP 15 systems)	We have not seen mail use being configured in EPAP for any customer.
222595	Y	3	Resolved	Defer	The cron script /etc/cron.daily/checksel is not running correctly	No impact to normal operation.
222787	Y	3	Resolved	Defer	IMSI Range addition should not be allowed from EPAP GUI.	PDB and RTDB database does not increase when an IMSI Range is added with EPAP GUI. In fact, RTDB does not use IMSI range at all. IMSI Range addition should not be allowed from EPAP GUI.
224027		3	Resolved	Defer	EPAP15.0_ST: Platform version is not correct in epapconfig menu.	If the customer is using this menu to determine the platform release they will not be able to get that information. It is incorrectly displaying the EPAP version for the platform version.
228386		3	Resolved	Defer	EPAP 15.0.2: Halt the MPS & Eject the Cd tab should be removed from modify/rtrv user/group GUI.	No impact as the option shown on GUI is not used. It may cause minor confusion.
228441		3	Resolved	Defer	EPAP 15.0.2: Spelling of word successful is incorrect.	None. Cosmetic error only.
228749		3	Resolved	Defer	EPAP 15.0.2: Displaying Wrong error message while cancelling automatic backup.	The backup is not configured so there was actually nothing to change. Therefore, the only possible impact is confusion that nothing was needed to be changed.
228900		3	Resolved	Defer	EPAP 15.0.2: Circular number substitution is getting created when error 1049 should be generated	Incorrect NSDN might be returned for a particular DN.
228950		3	Resolved	Defer	EPAP 15.0.2: Ambiguity in GUI while adding IMEI and IMEIBLK.	GUI is not the same for adding IMEI and IMEI block. Does not have any negative system impact.

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229107		3	Resolved	Defer	Eagle 45: IMEIBlk Version is being displayed at eagle side.	This is a cosmetic issue. The IMEI block version number from GUI or PDBI is neither provisionable nor affects message processing. It takes 0 as a default value. The output of the rtrv-data-rtdb command shows this default value when it should not.
229168		3	Resolved	Defer	EPAP 15.0.2: Word NPT is being displayed after performing keys exchange.	Extra line printed "NPT". No impact on the functionality.
229173		3	Resolved	Defer	EPAP 15.0.2: Script getRTDBClientStatus.pl is being executed on Non-Prov setup.	No system impact. The getRTDBClientStatus.pl script is run as cron job, it is not expected to run the script from CLI, and hence no error message is displayed on CLI.
229316		3	Resolved	Defer	EPAP 15.0.2: Error was observed after back out.	The content of the my.cnf file mentioned in the error message is good. No system impact.
229320		3	Resolved	Defer	EPAP15.0.2: hastauts of Server B stuck when we perform upgrade after back out.	hastatus of server is not correct.
229333		3	Resolved	Defer	EPAP 15.0.2: Facing issue on EPAP GUI when we access it from Backup Prov IP	The mate EPAP GUI is not accessible from local EPAP server.
229571		3	Resolved	Defer	EPAP 15.0.2: core.pdba is observed on EPAP.	Core file related alarm will be displayed. Deleting file clears the alarm.
229925		3	Resolved	Defer	EPAP 15.0.2: authorized EPAP CLI sessions are getting terminated	Existing ssh sessions are terminated.
229939		3	Resolved	Defer	EPAP 15.0.2: DN boundary is getting failed at PDB	This issue will be observed only when the DN capacity is full (120M) and IMSI is added with force=yes. The workaround is to manually alter the transLog entries.
238748		3	Resolved	No-Fix	Default permissions settings for ttySx are rw only for root and uucp group, other users/groups will be restricted.	No customer impact.
239411		3	Resolved	No-Fix	EPAP_16.0_SNMP: Error not observed when no parameters are updated for EMS configuration	No customer impact. The returned message could lead to misinterpretation but has no system impact.
240181		3	Resolved	Defer	RMTP Enhancement Leftover issues.	No impact to customer operations.
240198		3	Resolved	Defer	EPAP16.0_PDBonly: Error varies for various scripts of rtdb in bin directory.	No impact if the customer follows procedures.
240587		3	Resolved	No-Fix	EPAP 16.0: allowRoot command is accepted multiple times	Neither system impact nor user impact. Use of the Root user is anyhow extremely limited.

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240839	Y	3	Resolved	Defer	Information related to Query server and EMS server is missing from display information option of epapconfig menu.	This has no impact on functioning and provisioning of EPAP.
240968	Y	3	Resolved	Defer	GUI message history taking time from local machine	There might be a problem when investigating alarms in different time zones. Customer will need to keep in mind about the time-zone change.
241532		3	Resolved	Defer	EPAP 16.0_ST: "PDBA status/stop" commands are executed on non-prov servers, which is not correct behavior.	This has no impact on functioning and provisioning of EPAP.
241582		3	Resolved	Defer	EPAP_16.0_ST: Extra line is displaying in alarm.log.	This has no impact on functioning and provisioning of EPAP.
241810		3	Resolved	Defer	EPAP 16.0_ST: Syscheck is not clean on removing backup provisioning network.	This has no impact on functioning and provisioning of EPAP.
242349		3	Resolved	Defer	Certificate for https is not being installed successfully after incremental upgrade on segmented standalone setup.	After upgrade on the segmented standalone setup, the HTTPS menus on the GUI will not function as the security certificate for HTTPS has the Prov IP address instead of the GUI IP address. This issue should be resolved as part of the upgrade process, but can also be addressed by customer support.
242387		3	Resolved	Defer	Unable to open EPAP GUI. Is blocked because of many connection errors.	This has minimal impact on functioning of EPAP GUI.
242456		3	Resolved	Defer	EPAP16.0_ST: topnode core is observed.	This has no impact on functioning and provisioning of EPAP GUI.
19149237		3	Resolved	Defer	EPAP16.0: "Automatic Backup not configured" is not getting clear from Non-prov	This has no impact on functioning and provisioning of EPAP GUI.
19150264		3	Resolved	Defer	EPAP_16.0_ST: In Segmented setup user is unable to send traps via O&M IP.	SNMP traps are sent via the Prov IP interface instead of the O&M IP interface in a segmented setup. This discrepancy should not impact normal operations of the interface with a northbound system.
19162612		3	Resolved	Defer	Tekelec word in confirmation message of "Autoback in PDB/RTDB Backup"	This has no impact on functioning and provisioning of EPAP.
19177108		3	Resolved	Defer	EPAP16.0_ST: PDB_RTDB_SYNC is set to NO on PDB copy operation	This has minimal impact on functioning and provisioning of EPAP.
19178559		3	Resolved	Defer	EPAP_16.0: Restriction for GUI on segmented setup is not working after inc Upg.	Since there would be no incremental upgrade for segmented setup in field so there is no customer impact.
19193705		3	Resolved	Defer	EPAP 16.0_ST: PruneBinary Log cron time is incorrect after major upgrade.	This has no impact on functioning and provisioning of EPAP.

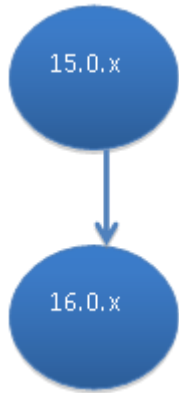
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19259816		3	Resolved	Defer	EPAP16.0_ST: Banner Msg related to autobackup configuration is not getting clear	An erroneous banner message is displayed occasionally regarding the Automatic RTDB Configuration success for non-provisionable servers.
19265593		3	Resolved	Defer	EPAP_16.0 : Maint core is observed on PDBonly segmented server	The Maint process core dumped on one occasion after the installation of a PDB only segmented server.
19331057		3	Resolved	Defer	EPAP 15 PDB restore started via GUI hangs when PDB sites are mated	The PDB restore option in the GUI does not function properly. The restore should be run on each server individually after un-mating the PDB sites.
19333464		3	Resolved	Defer	EPAP_16.0: Subscriber type is displaying when DN has retrieved in PDB db.	The Subscriber type value of "0" is returned when a DN is retrieved from the PDB database. This return value differs from previously documented return values from the PDB DN retrieval command.

## Upgrade Paths

Figure 1 Illustrates the upgrade paths to EPAP 16.0.

Figure 1. EPAP 16.0 Upgrade Paths



## Product Compatibility

Table RN-3 shows EPAP 16.0 compatibility with EAGLE and E5-MS.

**Table RN-3. EPAP 16.0 Compatibility with EAGLE and E5-MS.**

Product	Release	Compatibility
EAGLE	< 44.0	NC
	44.0	NC
	45.0	NC
	46.0	FC
E5-MS	45.0	N/A
	46.0	FC

Note: EPAP 16.0 customers should upgrade their other products to the Fully Compatible releases identified in the table above.

Note: EPAP 16.0 can only be run on E5-APP-B software.

### Legend:

- FC - Fully Compatible
- NC - Not Compatible
- N/A – Not Applicable

## Oracle References and Services

### Customer Access Support (CAS)

The Oracle Customer Access Support (CAS) is your initial point of contact for all product support needs. A representative takes your call or email, creates a Customer Service Request (CSR) and directs your requests to the Tekelec Technical Assistance Center (TAC). Each CSR includes an individual tracking number. Together with TAC Engineers, the representative will help you resolve your request.

The CAS is available 24 hours a day, 7 days a week, 365 days a year, and is linked to Engineers around the globe.

Oracle Tekelec TAC Engineers are available to provide solutions to your technical questions and issues 7 days a week, 24 hours a day. The Engineer determines the classification of the trouble after issuing a ticket. If a critical problem exists, emergency procedures are initiated. If the problem is not critical, normal support procedures apply. A primary Technical Engineer is assigned to work on the ticket and provide a solution to the problem. The ticket is closed when the problem is resolved.

Contact CAS by:

Phone: 1-800-223-1711 (toll-free, within continental USA and Canada) or see <http://www.oracle.com/us/support/contact/index.html> for the phone number of your local country.

When calling, make the following selections on the Support telephone menu:

- Select 2 for New Service Request
- Select 3 for Hardware, Networking and Solaris Operating System Support
- Select 2 for Non-technical issue

You will be connected to a live agent who can assist you; simply mention you are a Tekelec Customer new to MOS and they will be happy to assist you.

### Emergency Response

In the event of a critical service situation, emergency response is offered by the Customer Access 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 Customer Care Center.