

**Oracle® Communications EAGLE Application
Processor**

Release Notes

Release 16.2

E87669 Revision 3

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Introduction

This Release Notes includes Feature Descriptions, supported Hardware Baseline, Media and Documentation pack contents and identifies the Supported Upgrade Paths. This document also includes listings of both the Resolved and Known Bugs for this Release. Directions for accessing key Oracle sites and Services are also identified in the [Oracle References and Services](#) chapter.

Release Notes are included in the Documentation Pack made available with every Software Release.

Feature Descriptions

This Release delivers the following features:

- [Ability to Configure a Single EPAP Server \(Release 16.2\)](#)
- [Managing deprecation of Java Applet plugin support from Browsers \(Release 16.2\)](#)
- [SNMPv3 support for interface towards OCEEMS \(Release 16.2\)](#)

Ability to Configure a Single EPAP Server (Release 16.2)

This feature supports the configuration of EPAP on a single setup. This feature allows the user to perform disaster recovery on mixed/non-prov setup and other to configure the EPAP on single setup.

Note: This feature is not supported on PDBonly setup.

This feature eliminates the manual steps required for the Network Configuration. Instead, a menu option is provided in the epapconfig menu that allows the user to perform disaster recovery that performs the network configuration.

See the "Configure Mate Disaster Recovery" section in *Administration Guide* for more information.

Limitations

- In a single PROV setup (when no mate PDBA is available), if server A goes down, the user must restore both the PDB and RTDB, as the latest PDB backup will not be available. Post restore, the latest provisioned entries from the time backup was taken will be lost.
- If the old and new hostnames are different on IPMed setup, Disaster Recovery will not proceed.
- Provisioning will be stopped on a dual-mixed setup during the time when the PDB backup is initiated on the PDB mate setup until the restore is done on the bad server.
- In a single PROV setup (when no mate PDBA is available), if there is no PDB backup available for the Server A and Server A has gone bad, Disaster Recovery cannot be performed.
- After completion, the user must reconfigure the cron jobs (autobackup PDB/RTDB, for example) that were set earlier, as this information will be lost during Disaster Recovery.

- If Server A goes down on a mixed setup and the Query Server was configured before Disaster Recovery, the user will have to reconfigure the Query Server, as this information will be lost along with the PDB database.
- The user must perform all the configuration that was done manually post-install through the epapconfig or GUI menu, including security settings, password settings, and adding authorized IPs.
- While running Disaster Recovery, if the user aborts the action using control + C, or any other way, a uiEdit variable DR_EXECUTE will not be deleted automatically from the EuiDB. This variable is required for Disaster Recovery execution and is deleted after completion (success/failure) of disaster recovery. The user will have to delete this variable manually using the `uiEdit -d DR_EXECUTE` command, as it may impact network configuration from the epapconfig menu.

Managing deprecation of Java Applet plugin support from Browsers (Release 16.2)

This feature makes the EPAP GUI Banner independent of Java. The Java Applet plugin is no longer needed to launch the EPAP GUI Banner. See "EPAP GUI Main Screen" in *Administration Guide* for more details on the updated EPAP Banner Components.

SNMPv3 support for interface towards OCEEMS (Release 16.2)

EPAP supports SNMPv3 security enhancement and user/group management, secure alarm synchronization with SNMPv3 Oracle Communications EAGLE Element Management System (OCEEMS), and traps tailored to SNMPv3. This version of the protocol introduces enhanced encryption and secured authentication mechanisms.

EPAP will interact with OCEEMS or other Network Management Systems (NMS) in the SNMP interface to send traps in SNMPv3 as well as existing the SNMPv2c mode. It also provides security services by User-based Security Model (USM) and View-based Access Control Model (VACM) in SNMPv3 mode.

Enhancement from SNMPv2c to SNMPv3 include:

1. SNMP global mode - EPAP provides three different modes for SNMP support:
 - SNMPv2c only
 - SNMPv3 only
 - Both SNMPv2c and SNMPv3
2. SNMP configuration with various parameters from the epapconfig menu
3. Trap forwarding to OCEEMS in the format of SNMPv3 as well as the existing SNMPv2c
4. Alarm resynchronization between EPAP and OCEEMS in the format of SNMPv3 as well as the existing SNMPv2c:
 - Supports SNMP GET and SET of the `resyncVar` **MIB** element
5. SNMP v3 security model support:
 - SNMPv3 views (Read/Write for EPAP MIB variables), groups and users management

See *Administration Guide* for more information.

Limitations

If the maintenance process is not running, SNMPv2c or SNMPv3 alarm traps will not be sent to the OCEEMS, as the maintenance process is central to alarm processing in EPAP; however, if the maintenance process is not running, resynchronization can be done in the event the EPAP receives a resynchronization request.

Enhancement Bug

EPAP 16.2 supports the following enhancement Bug:

Table 2-1 EPAP 16.2 Enhancement Bug

Bug # and Title	Description
24812966 Raising an ALARM when there is long wait on Write for PDBI update	Raises an ALARM when a PDBI connection holds the write lock on the database for too long.

Operational Changes

EPAP Release 16.2 is the last EPAP release that supports the Lynx text-based browser.

Media and Documentation

Oracle Communications software is available for electronic download on the Oracle Software Delivery Cloud (OSDC). Documentation is delivered electronically on the Oracle Technology Network (OTN). Both the software Media Pack and the Documentation Pack are listed in this chapter.

Media Pack

All components available for download from the Oracle Software Delivery Cloud (<https://edelivery.oracle.com/>) are in [Table 3-1](#).

Table 3-1 Media Pack Contents

Name
Oracle Communications EAGLE Application Processor (16.2.0.0.1), Tekelec
Oracle Communications EAGLE Application Processor (16.2.0.0.0), Tekelec

Documentation Pack

All documents available for download from the Oracle Technology Network (OTN) site (<http://docs.oracle.com>) are listed in [Table 3-2](#).

Note: This list is accurate at the time of release but is subject to change. See [Oracle Help Center](#) for all available documents.

Table 3-2 Documentation Pack Contents

Core EPAP Documentation
<i>Release Notes</i>
<i>Administration Guide</i>
<i>Provisioning Database Interface User's Guide</i>
<i>Security Guide</i>
<i>Full Upgrade Guide</i>
<i>Incremental Upgrade/Installation Guide</i>
<i>System Health Check Guide</i>
Hardware, Installation, and Maintenance Documentation
<i>Alarms and Maintenance Guide</i>
<i>Application B Card Hardware and Installation Guide</i>

Table 3-2 (Cont.) Documentation Pack Contents

Reference Documentation
<i>Licensing Information User Manual</i>

Upgrade Paths

This release has been tested for upgrades from specific prior releases; this chapter contains the exact paths for upgrade. Please verify that your current installed release is listed on a valid upgrade path.

Upgrade Paths

The possible upgrade paths to EPAP 16.2 are listed in the following table:

Table 4-1 EPAP 16.2 Upgrade Paths

From	To
EPAP Release 16.0	EPAP Release 16.2 (full upgrade)
EPAP Release 16.1	EPAP Release 16.2 (split-mirror upgrade)

Product Compatibility

Refer to EAGLE Compatibility Matrix for the product compatibility between this product release and the releases of other products. The compatibility table shown below is retained only for historical purposes.

Table 5-1 shows EPAP 16.2 compatibility with EAGLE-related products.

Table 5-1 EPAP 16.2 Compatibility with EAGLE-Related Products

Product	Release	Compatibility
EAGLE Query Server	1.0	FC
EAGLE	46.3	FC
	46.4	FC
	46.5	FC
OCEEMS	46.2	NC
	46.3	PC
	46.5	FC

Note: EAGLE should be upgraded to Release 46.5 before EPAP is upgraded to Release 16.2. Partial compatibility is provided only in order to support the short period of time while the customer upgrades to a large network.

Legend:

- FC - Fully Compatible
- PC - Partially Compatible
- NC - Not compatible

Resolved and Known Bugs

This chapter lists the Resolved and Known Bugs for this release.

These bug lists are distributed to customers with a new software release at the time of General Availability (GA), and are updated for each Maintenance release.

Severity Definitions

The problem report sections in this document refer to Bug severity levels. Definitions of these levels can be found in the publication, *TL 9000 Quality Management System Measurement Handbook*.

Problem Report: A report from a customer or on behalf of the customer concerning a product or process defect requesting an investigation of the issue and a resolution to remove the cause. The report may be issued via any medium. Problem reports are systemic deficiencies with hardware, software, documentation, delivery, billing, invoicing, servicing or any other process involved with the acquisition, operation, or performance of a product. An incident reported simply to request help to bring back the service or functionality to normal without the intent to investigate and provide a resolution to the cause of the incident is not a problem report.

- **Critical:** Conditions that severely affect the primary functionality of the product and because of the business impact to the customer requires non-stop immediate corrective action, regardless of time of day or day of the week as viewed by a customer on discussion with the organization such as
 1. product inoperability (total or partial outage),
 2. a reduction in the capacity capability, that is, traffic/data handling capability, such that expected loads cannot be handled,
 3. any loss of emergency capability (for example, emergency 911 calls), or
 4. safety hazard or risk of security breach
- **Major:** Product is usable, but a condition exists that seriously degrades the product operation, maintenance or administration, etc., and requires attention during pre-defined standard hours to resolve the situation. The urgency is less than in critical situations because of a lesser immediate or impending effect on product performance, customers and the customer's operation and revenue such as
 1. reduction in product's capacity (but still able to handle the expected load),
 2. any loss of administrative or maintenance visibility of the product and/or diagnostic capability,
 3. repeated degradation of an essential component or function, or

- 4. degradation of the product's ability to provide any required notification of malfunction
- Minor: Other problems of a lesser severity than 'critical' or 'major' such as conditions that have little or no impairment on the function of the system
- Minor, No Loss of Service: Oracle severity beyond what is defined by TL 9000.

The numbered severity levels in the tables below correspond to these definitions:

- 1 - Critical
- 2 - Major
- 3 - Minor
- 4 - Minor, No Loss of Service

Resolved Bug Listing

This section lists bugs that are resolved in the following builds:

EPAP 16.2.0.0.1-162.25.0.

EPAP 16.2.0.0.0-162.20.0.

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

Note: Resolved bugs are sorted in ascending order by severity and then by bug number.

Table 6-1 EPAP Release 16.2.0.0.1 Build 162.25.0 Resolved Bugs (March 2018)

Bug#	SR	Sev	Title	Customer Impact
26610684	Y	2	SR: Error in provisioning because of out of bound idleTimeout value	An idleTimeout value that is outside of the supported range may result in command rejection.
26246689		3	CDS: runGsCron message continues to scroll on screen post upgrade to 16.2	
26407861	Y	3	SR: Sync Redundancy scripts are not working properly	The sync redundancy feature is not operational.
26478872	Y	3	SR: Serial terminals are unstable	In some circumstances, the serial console interface may become unresponsive. Restarting the server will restore normal operation to the serial port.
27254523		3	comcol HA memory leak	

Table 6-1 (Cont.) EPAP Release 16.2.0.0.1 Build 162.25.0 Resolved Bugs (March 2018)

Bug#	SR	Sev	Title	Customer Impact
27260480		3	cmha process is consuming all of the system memory	
27500388	Y	3	SR: The /var partition is not optimally sized for system log storage	System log files in the /var/log directory are not being rotated and are filling the storage partition. Once the storage space is exhausted, the system stability is impacted.
27512955		3	EPAP16.2_FOA: Unable to Connect MMI Port from EPAP B GUI	
27551265		3	EPAP16.2_FOA:EPAP GUI users unable to create valid session	
27049616		4	R46.6_Obit: ath_vxw_mgr. Line 2033 on SLIC32 cards during upgrade	
27316273		4	Upgrade to TPD 7.5	

Table 6-2 EPAP Release 16.2.0.0.0 Build 162.20.0 Resolved Bugs (August 2017)

Bug#	SR	Sev	Title	Customer Impact
25061704		2	EPAP16.1_QS: PDB snapshot taken on epap is not getting restored on EAGLE QS	The user is not able to query on EAGLE Query Server, as data is not replicated from EPAP.
25097246		2	EPAP16.1_QS: Replication is not working between EPAP and EAGLE QS via IPv6.	The user is not able to query on an IPv6-only EAGLE Query Server, as data is not replicated from EPAP.
25330868		2	EPAP16.1_MR: GUI Menu is not getting load on PDB only single server.	The user shall not able to perform any operation from GUI.
19088483		3	[216959]PDBL_TXN_TI MEOUT occurs when DN retrieved using NE filter from EPAP GUI	
19118852		3	[241129]EPAP_16.0_ST: Concurrent logins of EPAP GUI is not working correctly	

Table 6-2 (Cont.) EPAP Release 16.2.0.0 Build 162.20.0 Resolved Bugs (August 2017)

Bug#	SR	Sev	Title	Customer Impact
20323635	Y	3	SR: EPAP16.0_ST: E5-APP-B STP reports wrong status of EPAP.	Communication is broken between active EPAP and its mate EPAP.
21830095		3	EPAP16.1_480M:Import rate from PDB to RTDB decreasing with time.	
22467144		3	EPAP_IPv6: Certificate is not getting installed for backup prov IP	
23008748		3	SR: CDS: PDB ONLY setup GUI and OSM interface not working as designed	
23030405		3	EPAP: 16.1_ST:Certificate for VIP IPs are not getting installed	
23589365		3	EPAP16.1_ST:Unable to access EPAP GUI via HTTP for PDBonly segmented setup.	
23592549		3	EPAP16.1_ST:Select mate not working properly when backup prov configured in IPv6	
24800126		3	EuiDB creation failed when EuiDB present in B server only	
24812770		3	EPAP16.1_MR:Incorrect error with tags observed on EPAP GUI.	
24815293		3	EPAP16.1_MR: Issue observed in automatic PDB/RTDB backup tab	
25074304		3	PDB snapshot created without master status	
25290202		3	EPAP16.1_QS: Wrong status of Master QS is getting displayed on EPAP	
25290258		3	EPAP16.1_QS: QS related alarms not observed on EPAP	

Table 6-2 (Cont.) EPAP Release 16.2.0.0.0 Build 162.20.0 Resolved Bugs (August 2017)

Bug#	SR	Sev	Title	Customer Impact
25330840	Y	3	The use of the "#" and "@" characters for Unix Login Passwords is not permitted.	Unix account passwords cannot contain the "@" or "#" character.
25515248	Y	3	SR: MPS Unavailable reported in on STP	EPAP state stuck in UP. EPAP will not be able to communicate with EAGLE.
25515378	Y	3	SR: Automatic PDB backup not working after upgrade to EPAP 16.1	PDB automatic backup is scheduled on one PDBA site, either on local or remote PDBA.
25586503		3	rept-stat-db shows all 0 for EPAP-A and EPAP-A status shows UP	
25601753		3	EPAP state impacted by running epapdb command via user root	
25723480		3	Permission to savelogs and QS snapshot need to be updated	
19085117		4	[198157]EPAP_14.0_ST: status command support on EPAP	
19086378		4	[210196]add an INFO message for Debug-> View any File menu	
19086380		4	[210200]The banner of B machine displays a dot after "B"	
19099246		4	[224442]Caution missing from Reboot MPS option in epapconfig menu	
19103263		4	[228950]EPAP 15.0.2: Ambiguity in GUI while adding IMEI and IMEIBLK.	
19103529		4	[229168]EPAP 15.0.2: Word NPT is being displayed after performing key exchange	

Table 6-2 (Cont.) EPAP Release 16.2.0.0.0 Build 162.20.0 Resolved Bugs (August 2017)

Bug#	SR	Se v	Title	Customer Impact
19103534		4	[229173]Script getRTDBClientStatus.pl is being exeuted on Non-Prov setup	
19119317		4	[241532]16.0_ST: "PDBA status/stop" commands are executed on non- prov servers	
19975092		4	EPAP16.0: GUI Uniformity is not there	
21819877		4	Remote server IP validation on EPAP GUI	
22114507		4	Incorrect output of dbstattool utility	
22139140		4	SNMP UPGRADE TO V3	
22262621		4	issues on EPAP gui while opening with backup prov ip	
22279689		4	EPAP16.1:IMEI and IMEI block are not displaying in watcher on EPAP GUI.	
22451927		4	Inconsistent calculation of RTDB used percentage	
22582041		4	Update to MySQL Enterprise Backup 3.12.2	
22823821		4	EPAP16.1_ST: Connection not secure observed on EPAP GUI after login	
23068879		4	EPAP16.1_ST: Errors observed in syscheck on de-configuring the backup prov	
23088956		4	EPAP16.1_ST:Error logged in upgrade.log on PDBonly setup	
23091097		4	EPAP16.1_ST: Database daemon not running on IPv6 only dual mixed setup.	

Table 6-2 (Cont.) EPAP Release 16.2.0.0.0 Build 162.20.0 Resolved Bugs (August 2017)

Bug#	SR	Sev	Title	Customer Impact
23210471		4	SR: CDS - Misleading UI Message need to be corrected	
23296127		4	EPAP16.1_ST: Automatic backup configuration issue on dual mixed setup.	
23534611		4	EPAP16.1_ST:Hosts file not getting updated correctly on Non Prov node.	
23549912		4	Incorrect caution displayed in PDB restore	
23584737		4	The TKLCha package needs to be updated with correct hostname information	
24434078		4	Update to TPD 7.4 or later	
24504063		4	MySQL 5.7 upgrade on EPAP 16.2	
24567276		4	EPAP_16.0_EPAP QS Replication issue alarm is not displaying in syscheck output	
24585609		4	Update PDB/RTDB backup filename	
24596036		4	EPAP 16.2 Managing deprecation of Java Applet plugin support from Browsers	
24673240		4	Release Notes to state 16.2 is last release to support Lynx text-based browser	
24753892		4	Perform Disaster Recovery On EPAP	
24812816		4	EPAP16.1_MR: Tool Tip is not working properly on top of GUI Banner	
24849059		4	Raising an ALARM when there is long wait on Write for PDBI update	

Table 6-2 (Cont.) EPAP Release 16.2.0.0 Build 162.20.0 Resolved Bugs (August 2017)

Bug#	SR	Se v	Title	Customer Impact
25027657		4	Export Performance Improvement	
25052218		4	Unwanted characters in display text on EPAP GUI	
25370658		4	Update CPAN Perl Packages and JDK	
25370684		4	Update jcterm, jsch and jzlib packages	
25390712		4	Support split-mirror backout in EPAP 16.2	
25422375		4	PDBI idletimeout should be configurable on EPAP	
25429495	Y	4	SR: 3-13741661540: VFI: log_warnings system variable to be set as 2	
25429904	Y	4	SR: 3-11659662850: VFI: /etc/sysconfig/init to be set with PROMPT = no	
25429911	Y	4	SR: 3-11925571871: VFI: nospooof = on in /etc/host.conf	
25429920	Y	4	SR: 3-11925756856: VFI: Set existing_options remember as 5	
25429928	Y	4	SR: 3-11933957778: VFI: Set ClientAliveInterval = 600	
25445826		4	Remove use of RowCount	
25445858		4	Restart PDBA when write lock Alarm is thrown	
25584361		4	EPAP Watchers stop working when GUI window is re-sized	
25674460		4	Add information regarding NE retrieval from GUI in EPAP Admin Manual	

Table 6-2 (Cont.) EPAP Release 16.2.0.0.0 Build 162.20.0 Resolved Bugs (August 2017)

Bug#	SR	Sev	Title	Customer Impact
25714003		4	EPAP 16.2: Add alarm "Long wait on write for PDBI update" in the alarm manual	
25805023		4	The reset replication script should be executed only by epapdev user	
25994624		4	Need to add EPAP Interconnect Diagrams for Sync & Backup Prov Networks	
26040699		4	EPAP16.2_ST:Update required in Admin Manual.	
26413565		4	HTTPS certificates should be using SHA-256 or SHA-512	

Customer Known Bug Listing

Table 6-3 lists known bugs in this release:

Table 6-3 EPAP Release 16.2 Customer Known Bugs (March 2018)

Bug #	SR	Sev	Title	Customer Impact
19086840		3	[213048]EPAP_14.0.2: Low system CPS when IMSI delete with DNB Self Heal ON	The CPS is low for IMSI delete so it will take relatively longer time to complete the delete operations.
19088906		3	[217328]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.
19089295		3	[217661]CPS for rtrv DN Block and IMEI Block from the end is less than expected	DN Block and IMEI Block provisioning may be below the expected performance rates.
19089297		3	[217662]CPS for ADD DN Block and IMEI Block at the end is less than expected	DN Block and IMEI Block provisioning may be below the expected performance rates.
19091381		3	[219444]EPAP15.0_ST: GUI via HTTPS is not working correctly	No real detrimental system impact. The user has to login again.

Table 6-3 (Cont.) EPAP Release 16.2 Customer Known Bugs (March 2018)

Bug #	SR	Sev	Title	Customer Impact
19102800	Y	3	[228600]Problems/ Failures while adding net/static routes in EPAP 15.0 release	Networks having static/net rules/routes do not work as expected. Like in EPAP 15, application GUI does not open properly on backup prov IP. Syscheck may show failures/ error messages for correct routes also. PR 228583 created an application work around so the affects of this TPD bug are not seen. TPD still needs to be fixed to ensure there are no additional impacts.
19103189		3	[228900]Circular number substitution gets created instead of issuing error 1049	Incorrect NSDN might be returned for a particular DN.
19103720		3	[229320]hastatus of Server B is stuck when upgrade is performed after backout	hastatus of server is not correct.
19104482		3	[229939]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.
21113097		3	DSM network subnet 10.196.10/20 failed to connect EPAP to EAGLE SM	Manual configuration of the desired DSM network is required for the 10.196.10/20 networks.
23074327		3	EPAP16.1_ST:Port Forwarding must continue to ABP PDBA when other PDBA in replerr	When port forwarding (PDBA Proxy feature) is used and the system is in REPLERR state, the port forwarding may point to the system that is in the REPLERR state. Please correct the REPLERR on systems in this state.
23266906		3	EPAP16.1_ST: CFT not working properly when configured with admusr	CFT will allow configured file transfers to directories without proper permissions.
24764699		3	Procedure needed to stop the application before E5-APP-B removal	It may be unclear on how to shutdown the EPAP software prior to removing the E5-APP- B card.
24788956		3	EPAP16.1_MR:Invalid IPv6 address getting accepted for NTP in text UI	The configuration for NTP does not verify that the entered IPv6 address is valid.

Table 6-3 (Cont.) EPAP Release 16.2 Customer Known Bugs (March 2018)

Bug #	SR	Sev	Title	Customer Impact
24800639		3	EPAP16.1_MR:License Capacity alarm clearance issue	The alarm is displayed on the EPAP GUI although the license capacity is being configured by the PDB_CAP_LIMIT_ENABLED feature.
24910397		3	EPAP16.1_MR: Maint core observed	No impact to customer operations.
24940813		3	EPAP16.1_MR:Unable to open GUI via hostname on PDBonly Segmented setup	The GUI on a PDBonly server cannot be accessed by hostname. The server must be accessed by IP address.
25368048		3	Firewall ports are missing for MySQL	The firewall port specifications is the Customer Documentation do not mention that ports 3306 and 3307 need to be opened in the firewall.
25608936		3	EPAP16.1.1_MR: Clearance issue of alarm "QS Falling behind" when PSR is on.	The PSR feature can cause alarms to be displayed indicating that the Query Server is lagging behind. The provisioning replication is OK, only the statistics data is lagging behind.
25725083		3	EPAP16.1.1_MR:Issue related to alarm, EPAP_QS_REPLICATION_ISSUE	Query Server replication alarms will remain present in the EPAP until restart, if the Query server is deleted while in this alarm state.
25755081		3	EPAP16.1.1_MR:On IPv4only EPAP, IPv6 QS is getting added.	No Impact to Customer operation.
25755094		3	EPAP16.1.1_MR:Simultaneous occurrence of alarms related to QS is misleading.	Alarms related to replication will be displayed if the Query server is lagging behind the EPAP.
25966121		3	EPAP16.2_ST:Export of DN in Ascii mode taking more time than expected.	The export shall take longer to complete, as compared to previous release.
26049069		3	SR:Make default speed in switch configuration to 1000 Mbps from the current 100	The default file for switch configuration will provision the switch for 100 Mbps links.
26173039		3	EPAP16.2_ST: GUI is not getting opened for Backup Prov IP.	The Backup Provisioning feature does not work with HTTPS during disaster recovery.

Table 6-3 (Cont.) EPAP Release 16.2 Customer Known Bugs (March 2018)

Bug #	SR	Sev	Title	Customer Impact
26246608		3	CDS: Errors reported regarding missing tables reported in upgrade log	None - the missing tables are not used by EPAP.
26352218		3	CDS: USB stick in port during backout will cause lockup and failure messages	Execution of the backout procedure with a USB device inserted into the server will prevent the backout procedure from completing until the USB device is removed from the server and the system is rebooted.
26416543		3	CDS: Single Server DR failed	If the DR procedure is not properly followed, the permissions of the files may not be correctly set and prevent the transfer of the DR setup to the standby server.
19090308		4	[218547]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.
19092504		4	[220308]In Epap 15.0_ST core.context.23785 is Observed.	There could be an alarm for a core file when there is no actual impact on the system running.
19095364		4	[222593]The mail queue is not being delivered to the mailboxes of the users	We have not seen mail use being configured in EPAP for any customer.
19095389		4	[221507]Syscheck fs module and Linux df command calculate space used differently	May be some confusion as the two different ways to show size show two different values. However there is no operational impact.
19103457		4	[229107]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.
19103715		4	[229316]EPAP 15.0.2: Error was observed after backout.	The content of the my.cnf file mentioned in the error message is good. No system impact.

Table 6-3 (Cont.) EPAP Release 16.2 Customer Known Bugs (March 2018)

Bug #	SR	Sev	Title	Customer Impact
19103884		4	[229446]Error logged in Pdba.err while retrieving DN range from EPAP server GUI	Unwanted entry in the log file. No other system impact.
19117687		4	[240181]RMTP Enhancement Leftover issues	No impact to customer operations.
19117710		4	[240198]PDBonly: Error varies for various scripts of rtdb in bin directory	No impact if the customer follows procedures.
19118512		4	[240839]Query & EMS server info missing from epapconfig menu display info option	No impact on functioning and provisioning of EPAP.
19118662		4	[240968]GUI message history taking time from local machine	There might be a problem when investigating alarms in different time zones.
19259816		4	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		4	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.
19333464		4	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.
19974873		4	EPAP_16.0_ST: Imsi range is getting provisioned from Standby PDB.	IMSI range can be updated from a Standby PDB. This does not have a negative impact on customer operations.
22172691		4	EPAP16.1:- PDBI reports are getting pegged in cgi.dbg log	No impact to customer operations.
22231841		4	EPAP16.1:On starting PDB 1st, status of maint process is being printed twice	No impact to customer operations.

Table 6-3 (Cont.) EPAP Release 16.2 Customer Known Bugs (March 2018)

Bug #	SR	Sev	Title	Customer Impact
22297411		4	EPAP16.1_IPv6: Sync network address is getting displayed in authorized IP list	No impact to customer operations.
22379103		4	Stop EPAP software on mate while configuring provisioning network	No impact to customer operations.
22462190		4	EPAP16.1: IP of remote EPAP is accepted when using SSH to MPS	The SSH to MPS will allow the manual selection of another system by allowing the IP address to be entered.
22516206		4	EPAP16.1:Data count being displayed in PSR	The accurate count can be obtained by expanding the window by one second on a PSR query.
22532637		4	EPAP16.1:PDBA DSM Report not being fetched correctly.	The DSM report will return all results for cards that satisfy the report conditions. This includes all cards that are below the level that is being requested.
22886326		4	Concurrent logins of EPAP GUI is allowed for same user	No impact to customer operations.
22979671		4	EPAP16.1_ST: Unwanted characters being printed in cron logs .	No impact to customer operations.
23061280		4	EPAP16.1_ST:Incomplete banner raised on configuring Automatic PDB/RTDB Backup.	Incomplete banner message can be displayed during backup for dual stack configured systems.
23068860		4	EPAP16.1_ST:Script failing while reconfiguring the interfaces.	Re-configuring the IP interfaces may fail.
23074079		4	EPAP16.1_ST:Update required in epapconfig related to time zone and spellings .	No impact to customer operations.
23113724		4	Unwanted pegging of logs in snmp.log	Restarting an SNMP-monitored EPAP server can result in erroneous error messages being stored in the SNMP logs.
23181941		4	EPAP16.1_ST:Incorrect alarm being sent to NMS.	License Capacity alarm will be sent via SNMP until the capacity is configured in the system.

Table 6-3 (Cont.) EPAP Release 16.2 Customer Known Bugs (March 2018)

Bug #	SR	Sev	Title	Customer Impact
23226221		4	EPAP16.1_ST:1057 error observed instead of 1049 on EPAP GUI .	If a user initiates deletion of an DN which is associated with many other DNs as NSDN then the EPAP GUI displays the error "E1017: PDBI error: 1057: PDBI_TXN_TIMEOUT". This does not have an impact to normal customer operations. The provisioning can be performed correctly using the PDBI interface.
23281792		4	EPAP16.1_ST:Number prefixes must be set only via Active PDB .	Number prefixes should only be configured on the active system.
23591734		4	EPAP16.1_ST:License capacity alarm observed on Non Prov	The license capacity alarm will be raised on both the prov and non-prov system when the license capacity is not configured on the provisioning system.
23605698		4	EPAP16.1_ST:Accept/Reject message is printing twice after incremental upgrade.	No impact to customer operations.
24755373		4	EPAP16.1_MR:Unwanted mysql.sock ignored observed on initiating snapshot.	No impact to customer operations.
24755496		4	EPAP16.1_MR:Success message printed twice on changing passwordthrough text UI.	No impact to customer operations.
24815844		4	EPAP16.1_MR:Incomplete error message observed in cgi.dbg on deleting QS	The Query Server removal screen will return a message indicating that the Query Server IP address was not found when attempting to remove a Query Server that is not configured in the system.
24910416		4	EPAP16.1_MR:Errors observed in cgi.dbg on configuring PDB	Messages are displayed in the cgi.dbg file during PDB configuration that appear to be error messages. These messages have no impact to customer operations.

Table 6-3 (Cont.) EPAP Release 16.2 Customer Known Bugs (March 2018)

Bug #	SR	Sev	Title	Customer Impact
25644469		4	Dangling asd in pdb.asd table	When multiple DNs are added at the same time from the "Add DN" screen in the GUI and the main DN is then deleted, the remaining DNs from the prior add command will have an invalid ASD value.
25678336		4	EPAP16.1.1_MR:Maint watcher on standby displaying incorrect DSM count	The DSM count from the Maint watcher on the standby system intermittently reports an inaccurate DSM count.
25725069		4	EPAP16.1.1_MR:maint.core observed on mixed EPAP setup	No impact to customer operation.
25725263		4	Non-alignment of banner on resizing GUI window	The banner is not optimally formatted for smaller browser window sizes.
25812498		4	Auto backup schedule not replicating to mate PDB on PDBonly	In standalone PDB configuration, the PDB backup schedule is not replicated to the standalone PDB server. The backup must be manually scheduled on the standalone PDB server.
25851378		4	Auto backup schedule not replicating to non-prov configured with dual stack	The auto-backup schedule is not replicated to the non-prov when the non-prov system is configured in dual stack mode and the PDBonly server is configured in IPv4 mode.
25883585		4	EPAP 16.2_ST: Alarm "Upgrade Accept/Reject Pending" is not observed on EPAP GUI	The "Upgrade Accept/Reject Pending" alarm is not always visible on the GUI.
25957930		4	EPAP16.2_ST: Incorrect login time displayed on EPAP GUI	No impact to customer operation.
25979029		4	EPAP16.2_ST:Logging to be updated in cgi.dbg	The cgi.dbg file does not log the IMSI range that is being deleted in the log file.
26005209		4	EPAP16.2_ST:Logging of IP to which SSH to MPS is done must be added	The SSH to MPS does not record the IP address in the cgi.dbg file.

Table 6-3 (Cont.) EPAP Release 16.2 Customer Known Bugs (March 2018)

Bug #	SR	Sev	Title	Customer Impact
26005230		4	EPAP16.2_ST:Logs must be maintained for restore done via CLI.	The log file for the RTDB restore is not created when restoring an RTDB backup from a prior release. The command execution output must be captured from the command line during an upgrade.
26036783		4	EPAP16.2_ST:Refresh time should be update in Modify System Defaults	The minimum system default refresh time is 5 seconds.
26149567		4	EPAP16.2_ST: Need space in between IMEIBlock in view PDBA area.	The GUI label in View PDBA Status displays some labels in a condensed format.
26273407		4	EPAP16.2_ST: E1032 error appearing twice.	The message is displayed twice.
26335498		4	EPAP16.2_ST:Error observed for mate during resetReplication needs to be updated.	Customer may be confused by the wrong error message. The message should be "Could not connect to mysql from mate to localhost!"
26337529		4	EPAP16.2_ST: SNMP read & write community can be updated without stopping EPAP	The user is able to configure SNMP Agent Community when the EPAP software is running.

Oracle 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 one of the following options:
 - For Technical issues such as creating a new Service Request (SR), Select 1
 - For Non-technical issues such as registration or assistance with MOS, Select 2

You will be connected to a live agent who can assist you with MOS registration and opening a support ticket.

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 Customer Access Support (CAS) main number at 1-800-223-1711 (toll-free in the US), or by calling the Oracle Support hotline for your local country from the list at <http://www.oracle.com/us/support/contact/index.html>. 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 Oracle.

Customer Training

Oracle University offers expert training on Oracle Communications solutions for service providers and enterprises. Make sure your staff has the skills to configure, customize, administer, and operate your communications solutions, so that your business can realize all of the benefits that these rich solutions offer. Visit the Oracle University web site to view and register for Oracle Communications training: education.oracle.com/communication. To reach Oracle University:

- In the US, please dial 800-529-0165.
- In Canada, please dial 866-825-9790.
- In Germany, please dial 0180 2000 526 (toll free) or +49 8914301200 (International).
- In Spain, please dial +34 91 6267 792.
- In the United Kingdom, please dial 0845 777 7 711 (toll free) or +44 11 89 726 500 (International).

For the appropriate country or region contact phone number for the rest of the world, please visit Oracle University's web site at <http://www.oracle.com/education/contacts>.

Locate Product Documentation on the Oracle Help Center Site

Oracle Communications customer documentation is available on the web at the Oracle Help Center (OHC) 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 <http://www.adobe.com>.

1. Access the Oracle Help Center site at <http://docs.oracle.com>.
2. Click `Industries`.
3. Under the Oracle Communications subheading, click the `Oracle Communications documentation` link.

The Communications Documentation page appears. Most products covered by these documentation sets will appear under the headings "Network Session Delivery and Control Infrastructure" or "Platforms."

4. Click on your Product and then the Release Number.

A list of the entire documentation set for the selected product and release appears.

5. To download a file to your location, right-click the PDF link, select `Save target as` (or similar command based on your browser), and save to a local folder.

Locate Product Release Software on the Oracle Software Delivery Cloud Site

Oracle Communications software is available for electronic download at the Oracle Software Delivery Cloud site, <https://edelivery.oracle.com>. Only authorized customers with a valid password may download software from the site.

For directions on downloading the software and other information about using this site, click **FAQ** in the top right corner.

Firmware Components

This appendix is not applicable to EAGLE, ExAP or LSMS releases. The firmware components are software that is installed on the hardware. These components are listed in this chapter, and are also listed in the Firmware Release Notice. Please refer to the latest Firmware Release Notice for any updates to this list.

