

Oracle® Communications

EAGLE Application Processor Release Notes



Release 17.1
G33583-01
June 2025



Copyright © 2000, 2025, Oracle and/or its affiliates.

This software and related documentation are provided under a license agreement containing restrictions on use and disclosure and are protected by intellectual property laws. Except as expressly permitted in your license agreement or allowed by law, you may not use, copy, reproduce, translate, broadcast, modify, license, transmit, distribute, exhibit, perform, publish, or display any part, in any form, or by any means. Reverse engineering, disassembly, or decompilation of this software, unless required by law for interoperability, is prohibited.

The information contained herein is subject to change without notice and is not warranted to be error-free. If you find any errors, please report them to us in writing.

If this is software, software documentation, data (as defined in the Federal Acquisition Regulation), or related documentation that is delivered to the U.S. Government or anyone licensing it on behalf of the U.S. Government, then the following notice is applicable:

U.S. GOVERNMENT END USERS: Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs) and Oracle computer documentation or other Oracle data delivered to or accessed by U.S. Government end users are "commercial computer software," "commercial computer software documentation," or "limited rights data" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, the use, reproduction, duplication, release, display, disclosure, modification, preparation of derivative works, and/or adaptation of i) Oracle programs (including any operating system, integrated software, any programs embedded, installed, or activated on delivered hardware, and modifications of such programs), ii) Oracle computer documentation and/or iii) other Oracle data, is subject to the rights and limitations specified in the license contained in the applicable contract. The terms governing the U.S. Government's use of Oracle cloud services are defined by the applicable contract for such services. No other rights are granted to the U.S. Government.

This software or hardware is developed for general use in a variety of information management applications. It is not developed or intended for use in any inherently dangerous applications, including applications that may create a risk of personal injury. If you use this software or hardware in dangerous applications, then you shall be responsible to take all appropriate fail-safe, backup, redundancy, and other measures to ensure its safe use. Oracle Corporation and its affiliates disclaim any liability for any damages caused by use of this software or hardware in dangerous applications.

Oracle®, Java, MySQL, and NetSuite are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Inside are trademarks or registered trademarks of Intel Corporation. All SPARC trademarks are used under license and are trademarks or registered trademarks of SPARC International, Inc. AMD, Epyc, and the AMD logo are trademarks or registered trademarks of Advanced Micro Devices. UNIX is a registered trademark of The Open Group.

This software or hardware and documentation may provide access to or information about content, products, and services from third parties. Oracle Corporation and its affiliates are not responsible for and expressly disclaim all warranties of any kind with respect to third-party content, products, and services unless otherwise set forth in an applicable agreement between you and Oracle. Oracle Corporation and its affiliates will not be responsible for any loss, costs, or damages incurred due to your access to or use of third-party content, products, or services, except as set forth in an applicable agreement between you and Oracle.

Contents

1	Introduction	
2	Feature Descriptions	
3	Media and Documentation	
3.1	Media Pack	3-1
3.2	Documentation Pack	3-1
4	Supported Hardware Baseline	
4.1	EPAP Hardware Baseline	4-1
5	Upgrade Paths	
5.1	Upgrade Paths	5-1
6	Product Compatibility	
7	Resolved and Known Bugs	
7.1	Severity Definitions	7-1
7.2	Resolved Bug List	7-2
7.3	Customer Known Bug List	7-2
8	Oracle References and Services	
8.1	Product Support	8-1
8.2	Locate Product Documentation on the Oracle Help Center Site	8-1
8.3	Locate Product Release Software on the Oracle Software Delivery Cloud Site	8-1

A Firmware Components

My Oracle Support (MOS)

[My Oracle Support \(MOS\)](#) is your initial point of contact for any of the following requirements:

- **Product Support:**
The generic product related information and resolution of product related queries.
- **Critical Situations**
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 notificationAny other problem severely affecting service, capacity/traffic, billing, and maintenance capabilities may be defined as critical by prior discussion and agreement with Oracle.
- **Training Need**
Oracle University offers training for service providers and enterprises.

My Oracle Support (<https://support.oracle.com>) is your initial point of contact for all product support and training needs. A representative at Customer Access Support can assist you with My Oracle Support registration.

Call the Customer Access Support 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:

- For Technical issues such as creating a new Service Request (SR), select **1**.
- For Non-technical issues such as registration or assistance with My Oracle Support, select **2**.
- For Hardware, Networking and Solaris Operating System Support, select **3**.

You are connected to a live agent who can assist you with My Oracle Support registration and opening a support ticket.

My Oracle Support is available 24 hours a day, 7 days a week, 365 days a year.

What's New in This Guide

Release 17.1 - G33583-01, June 2025

Updated the following sections with the details of EPAP release 17.1:

- [Feature Descriptions](#)
- [Media Pack](#)
- [Upgrade Paths](#)
- [Resolved Bug List](#)
- [Customer Known Bug List](#)

1

Introduction

The 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. The directions for accessing key Oracle sites and services are also identified in the [Oracle References and Services](#) chapter.

The Release Notes is included in the documentation pack made available with every software release.

2

Feature Descriptions

EPAP 17.1

The following features have been introduced in EPAP 17.1:

- **510M MNPSB Support:**
EPAP 17.1 release supports 510M MNP Database with Eagle 48.0. If Eagle release is in a version lower than 48.0, 510M MNP Database will not be supported. If Eagle release is 47.0/47.1, EPAP 17.1 can support up to 495M MNP Database. If customers have not moved to Eagle 48.x, they should make sure they do not provision beyond 495M even if their EPAP release is 17.1.

3

Media and Documentation

Oracle Communications software is available for electronic download on the Oracle Software Delivery Cloud (<https://edelivery.oracle.com/>). Documentation is delivered electronically on the Oracle Help Center (OHC). Both the software Media Pack and the Documentation Pack are listed in this chapter.

3.1 Media Pack

All components available for download from the Oracle Software Delivery Cloud (<https://edelivery.oracle.com/>) are in the following tables:

Table 3-1 Media Pack Contents for EPAP 17.1

Name
Oracle Communications EAGLE Application Processor 17.1.0.0.0-170.34.0 ISO
Oracle Communications EAGLE Application Processor 17.1.0.0.0-170.34.0 MySQL Upgrade rpms
Oracle Communications EAGLE Application Processor 17.1.0.0.0-170.34.0 MIBS
Oracle Communications EAGLE Application Processor 17.1.0.0.0-170.34.0 Alter Table Script
Tekelec Platform Distribution 8.10.1.4.0-150.13.0

3.2 Documentation Pack

All documents available for download from the Oracle Help Center (<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

Release Notices, Licensing Manual, and Compatibility Information
<i>Release Notes</i>
<i>Licensing Information User Manual</i>
<i>EAGLE Compatibility Matrix</i>
Hardware, Installation, and Maintenance Documentation
<i>Upgrade/Installation Guide</i>
<i>Alarms and Maintenance Guide</i>
<i>Application B Card Hardware and Installation Guide</i>
<i>System Health Check Guide</i>
Core Manuals

Table 3-2 (Cont.) Documentation Pack Contents

<i>Administration Guide</i>
<i>Provisioning Database Interface User's Guide</i>
<i>Security Guide</i>
Reference Manuals
<i>Signaling and Policy Glossary</i>

4

Supported Hardware Baseline

The hardware identified in this chapter comprises of the hardware and server versions that have been verified with this release.

4.1 EPAP Hardware Baseline

The EPAP Hardware Baseline table is a resource table that provides an overview of information for the hardware that is supported by EPAP.

This table lists the following card information:

- Name of the card on the card label
- Card part number
- SSD Capacity
- Provisioned card type in EAGLE
- Number of EAGLE shelf slots that the card occupies
- Number of physical ports on the card
- EAGLE Card Applications

Table 4-1 EPAP Hardware Baseline Table

Card Name as shown on the card label	Card Part Number	SSD Capacity	EAGLE Provisioned Card Type	EAGLE Shelf Slots/Ports per Card		EAGLE Card Applications
E5-APP-B	870-3096-01	300 GB	e5appb	2	4	epap
E5-APP-B	870-3096-02	480 GB	e5appb	2	4	epap

5

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.

5.1 Upgrade Paths

The possible upgrade paths to EPAP 17.1 are listed in the following table:

Table 5-1 EPAP 17.1 Upgrade Paths

From	To
EPAP Release 17.0	EPAP Release 17.1
EPAP Release 16.4	EPAP Release 17.1
EPAP Release 16.3	EPAP Release 17.1

6

Product Compatibility

Refer to *EAGLE Compatibility Matrix* for the product compatibility between this product release and the releases of other products.

7

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.

7.1 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

7.2 Resolved Bug List

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 an SR.

EPAP Release 17.1.0.0.0-170.34.0

The following table lists the bugs resolved in EPAP build 17.1.0.0.0-170.34.0:

Table 7-1 EPAP Release 17.1.0.0.0-170.34.0 Resolved Bugs (June 2025)

Bug	SR	Severity	Title	Customer Impact
37695351	N	4	510M MNP support	

7.3 Customer Known Bug List

EPAP Release 17.1 Customer Known Bugs

The following table lists the known bugs and associated customer impact statements.

Table 7-2 EPAP Release 17.1 Customer Known Bugs (June 2025)

Bug #	SR	Sev	Title	Customer Impact
27722102	N	3	EPAP16.2_FOA:Disaster Recovery not working on a Sync Redundant setup.	No impact to customer operations.
32319917	Y	3	SR- Frequent switchover in EPAP state observed in EPAP	Customers lose functionality to update Eagle which may impact calls.
37218161	Y	3	SR: Remote Proxy PDBA Level stale	There is no impact to the customer other than viewing inconsistent proxy information.
37549366	Y	3	LSBLSET -2 seen in file when exporting PDBA	Customer is confused as to the validity of the data when it sees the value in the export file.
37807944	N	3	EPAP17.0.6 - Eagle not getting synced and EPAP status toggle at the time eagle card reboot	There is little impact except for unclear status when the temporary change in the status of the active RTDB toggles while the Eagle card is reloading.

Table 7-2 (Cont.) EPAP Release 17.1 Customer Known Bugs (June 2025)

Bug #	SR	Sev	Title	Customer Impact
25644469	N	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.
28486363	N	4	EPAP16.3_ST:Data replicated to standby PDB when ROP is run with noStandby.	ROP data is always replicated to the standby node if the gmt command is ever executed without the --noStandby option.
28595734	N	4	Provide Read Access to OTHER users also for certain log files	Certain log files are only viewable by the epapdev and root users. Other users will not be able to read these files.
36473817	Y	4	gsconnect.pl CPU usage 135%	May be some confusion as CPU usage can exceed 100% on multi-core system.
37739295	N	4	Delete and Ent are not returning in logs (pdba.cmd) for PROV BL (PDBA>>ManageData>>PROV BL >> Add)	Missing entry for Add and Delete event in the PDBA log file. No impact to customer operations.
37739366	N	4	"Server Kernel Dump File Detected" alarm not displayed for syscheck after (echo c > /proc/sysrq-trigger)	Alarm related to Server Kernel Dump File will not be displayed on the GUI and syscheck output.
37759948	N	4	EPAP17.0.6: Server Application Process Error is observed on Non-Prov nodes	Syscheck may show failures/minor alarm for server application process error. This is a false alarm which has no impact to customer operations.

8

Oracle References and Services

This chapter describes how to obtain help, where to find related documentation, and provides other general information.

8.1 Product Support

The information in this document addresses the product releases that are currently covered under Premier Support and also some product releases that are no longer covered under Premier Support. See [Lifetime Support for your Oracle Application Unlimited Products](#) on the Applications Unlimited Lifetime Support web page for support information.

Refer to the Release Notes of each product release for information related to supported upgrade paths.

8.2 Locate Product Documentation on the Oracle Help Center Site

Oracle Communications customer documentation is available on the web at the Oracle Help Center (OHC) [Oracle Help Center \(OHC\)](#) site. 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 [OHC](#).
2. Click **Industries > Communications**. The Communications Documentation page appears.
3. Under **Signalling and Policy** header, select **EAGLE**.
The list of entire documentation set for EAGLE Product Line and releases appears.
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, click **Save Target As** (or similar command based on your browser), and save to a local folder.

8.3 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.

A

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 the Firmware Release Notice. For more information, see the latest Firmware Release Notice.