# Oracle® Communications
# EAGLE LNP Application Processor

## Release Notes

Release 10.0

**E55789 Revision 3**

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**ORACLE**®

Oracle Communications EAGLE LNP Application Processor 10.0 Release Notes

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# Introduction

This Release Notes lists the Resolved Bugs for EAGLE LNP Application Processor (ELAP) Release 10.0.0, Build 100.17.0, Release 10.0.1, Build 100.25.0, Release 10.0.2, Build 100.27.0, and Known Bugs for ELAP 10.0.

This Release Notes also includes:

- Upgrade Paths
- EAGLE 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.

Directions for accessing key Oracle sites and Services are also identified in the *Oracle References and Services* section.

## 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

Table RN-1 lists Resolved Bugs for ELAP 10.0.2-100.27.0.
Table RN-2 lists Resolved Bugs for ELAP 10.0.1-100.25.0.
Table RN-3 lists Resolved Bugs for ELAP 10.0.0-100.17.0.

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

**Table RN-1. Resolved Bugs for ELAP Release 10.0.2 Build 10.0.2-100.27.0 (1/8/16)**

| Bug# | SR? | Sev | Title | Customer Impact |
|------|-----|-----|-------|-----------------|
| 21911198 | | 4 | Update TPD | |
| 22305355 | | 4 | Support For Java 8 | |

**Table RN-2. Resolved Bugs for ELAP Release 10.0.1 Build 10.0.1-100.25.0 (12/09/14)**

| Bug# | SR? | Sev | Title | Customer Impact |
|------|-----|-----|-------|-----------------|
| 19114653 | | 3 | [237834]BIRTHDATE display problem on EAGLE with LSMS 13 | |
| 19313238 | | 3 | Add support for HTTPS | |
| 19314741 | | 3 | Add alarm/notice to indicate that HTTPS is not enabled | |
| 19332523 | | 3 | HTTP/HTTPS configuration script implementation in ELAP | |
| 19343735 | | 3 | No message is observed while updating password via epapconfig menu | |
| 19343778 | | 3 | Incorrect message displayed while configuring NTP server | |
| 19371653 | | 3 | Upgrade support for MySQL on ELAP | |
| 19110299 | | 5 | [234392]Oracle Re-branding: Copyright | |
| 19110309 | | 5 | [234395]Oracle Re-branding: Logo | |
| 19117055 | | 5 | [239678]Support of latest Java Client version (1.7) | |

**Table RN-3. Resolved Bugs for ELAP Release 10.0 Build 100.17.0 (7/03/13)**

| Bug# | SR? | Sev | Title | Customer Impact |
|------|-----|-----|-------|-----------------|
| 206893 | Y | 2 | Banner message on ELAP 9.0.1 shows as 9.0.0 | Improper version displayed in the GUI. |
| 129734 | Y | 3 | Active ELAP reboots when failover | The impact is that in the period of time while server A is rebooting, you will not be able to fail back over from B -> A. This error occurs infrequently. |
| 164666 | | 3 | ELAP 9.0 [PR122479]:ELAP having incorrect behavior for "User Account Idle timeout". | |
| 166078 | | 3 | ELAP9.0_SYSTEM_TEST: localhost IP is getting set in platcfg when we remove NTP server using elapconfig on ELAP | |
| 167357 | | 3 | ELAP9.0_SYSTEM_TEST: ELAP Admin Manual does not have Audit, Bulkload alarms | |
| 205059 | Y | 3 | User not logged out after a forced password change | Every time a user's password changes, the user will be locked out until the admin kills the session or the session times out. |
| 209818 | Y | 3 | The eagle_alarm_util in ELAP8 is causing core files. | The alarm utility would shut down and restart, leaving a core file. |
| 209878 | Y | 3 | Memory leaks in ELAP_9 code and prov core files. | Poor system performance. |
| 209817 | Y | 5 | The eagle_alarm_utility in ELAP is not logging many important messages to the logs. | |
| 210386 | Y | 5 | ELAP Logging Enhancements | |
| 211680 | | 5 | ELAP on E5-APP-B | |
| 215422 | Y | 5 | ELAP - Redundancy for Synchronization Network | |
| 219445 | | 5 | "Configure DSM Network" are taking same IP addresses | |
| 221465 | | 5 | E5-APP-B Based Open Systems Products will only support Internet Explorer 8.0 & 9.0 | |
| 221881 | | 5 | No tool tip present on modify defaults screen | |
| 222811 | | 5 | Provisioning restrictions on ELAP based on the configured quantity | |
| 223991 | | 5 | Some platform alarms are not seen on the ELAP banner. | |
| 224442 | | 5 | Caution missing from Reboot MPS option in elapconfig menu | |

| Bug# | SR? | Sev | Title | Customer Impact |
|------|-----|-----|-------|-----------------|
| 225984 | | 5 | Remove Sabul source from SCCPHC GPL and source code repository | |
| 225999 | | 5 | Need to remove or replace GUI GIF images that are either unused or unlicensed. | |

## Customer Known Bug Listing

Table RN-4 lists known Bugs for ELAP 10.0.

**Note**: Customer Known bugs are sorted in ascending order by Severity.

**Table RN-4. Known Bugs for ELAP 10.0 (1/8/16)**

| Bug# | SR? | Sev | Status | Disposition | Title | Customer Impact |
|------|-----|-----|--------|-------------|-------|-----------------|
| 225030 | | 2 | Resolved | Defer | ELAP10.0_ST: More than 384M TN are being provisioned in ELAP. | If the customer is using batch mode the licensed limit can be bypassed by up to about 50 entries. (This does not occur in single entry mode.) The extra entries will not be equipped on the EAGLE. Also if the SCCP cards are booted on the EAGLE the database will not be reloaded. To be able to reload, the extra entries must be removed.<br>Note: There are alarms about license capacity that will occur before this would be encountered. |
| 132527 | | 3 | Resolved | Defer | NPANXX Can Be Deleted from ELAP with TN Data | As stated in the description, if a customer deletes the default gtt entry for which TNs/NPBs exist, the lnp query will fall through to eagle gtt. |
| 222595 | Y | 3 | Resolved | Defer | The cron script /etc/cron.daily/checksel is not running correctly | No impact to normal operation. |
| 222784 | | 3 | Resolved | No-Fix | ELAP 10.0_TransLog: Server is accepting its own IP address for remote IP configuration. | The customer could be confused by the label "Remote" if the desired destination is in the server itself. In most the cases the remote IP will be an actual remote server (i.e., network machine or mate) but if the customer is using the local server itself as the storage location of the backups, then he will understand the implication. |
| 223256 | | 3 | Resolved | No-Fix | ELAP 10.0_TransLogs: "Failed transfer of file <Filename> error" banner message is not observed. | Customer won't be able to see the stale banner. However when "transferLogsToRemote" script runs automatically after 1 hour, it will clear any stale banner messages. |

| Bug# | SR? | Sev | Status | Disposition | Title | Customer Impact |
|------|-----|-----|--------|-------------|-------|-----------------|
| 224273 | | 3 | Resolved | Defer | ELAP 10.0_ST: ELAP GUI does not indicate that Port cable is removed at VSCCP card | Customer would not be able to tell if a port is disconnected from the Service Module Card Status information when click on the icon on the banner section on the ELAP.

Note: Eagle does raise a minor alarm 539 when a port is disconnected. It is just not seen on the ELAP. |
| 224446 | | 3 | Resolved | Defer | ELAP 10.0_ST: Current value of the parameters ELAP HTTP Ports are not displayed in [brackets]. | No impact. Customer will input the value that is asked in the menu. |
| 224448 | | 3 | Resolved | No-Fix | ELAP 10.0_ST: MPS is not accessible through VIP IP from ELAP GUI. | No impact since workaround is available. |
| 224562 | | 3 | Resolved | No-Fix | ELAP 10.0_ST: "service TKLCipsec status" command is not supported in ELAP. | There is no customer impact. |
| 224734 | | 3 | Resolved | No-Fix | ELAP 10.0_ST: Wrong error is displayed when we try to remove 0.0.0.0 IP via GUI | No impact. |
| 225211 | | 3 | Resolved | No-Fix | ELAP 10.0_ST: Server's own IP is being accepted when demanded Remote IP address. | No impact. This scenario is unlikely to happen. Even if it happens, this has no impact other than missing an error. |
| 225411 | Y | 3 | Resolved | Defer | The stop/start of ELAP software using the commands "/etc/init.d/Elap stop/start" create an unwanted file in current dir. | Unwanted files may be created on the server with "/etc/init.d/Elap start or /etc/init.d/Elap stop" of ELAP software. This will not occur if "service Elap start" or "service Elap stop" are used. |
| 225438 | | 3 | Resolved | Defer | ELAP 10.0_ST: Server NTP Daemon Not Synchronized alarm has been observed after initial installation. | May see "MINOR::5000000000000200 -- Server NTP Daemon Not Synchronized" IF NTP source is not configured. There is no other impact. |
| 225564 | Y | 3 | Resolved | Defer | ELAP - 10.0.0 CDS: Snapshots not being removed from /etc/lvm/archive/ directory. | Alarms due to increasing size of /etc/lvm/archive/ directory. Manual intervening is sometimes required to clear the files from this directory. |

| Bug# | SR? | Sev | Status | Disposition | Title | Customer Impact |
|------|-----|-----|--------|-------------|-------|-----------------|
| 225565 | Y | 3 | Resolved | Defer | The retrieve of the "Override GTT" provisioned from ELAP GUI (Local Provisioning-> Override GTT-> Update) is failing. | No system impact as the OGTT will be downloaded to ELAP from LSMS only. That is retrievable on ELAP GUI. |
| 225573 | Y | 3 | Resolved | Defer | The deletion of any non-existing "NPA NXX", "Override GTT" and "Subscriptions" is possible from ELAP GUI. | GUI allows deletion of non-existing "NPA NXX", "Override GTT" and "Subscriptions". |
| 225607 | | 3 | Resolved | Defer | ELAP 10.0_ST: Permissions of Backup dir created automatically during Backup are different. | The automatic backup functionality is working fine. Different permission on local and remote directory does not have any impact on the backup/restore. |
| 225609 | | 3 | Resolved | Defer | ELAP 10.0_ST: Banner message of ELAP RTDB Auto Backup overlaps sometimes. | Banner messages are updating without any issue. But sometimes the messages are getting overlapped in the banner scrolling area. This does not have any negative system impact. |
| 225742 | | 3 | Resolved | Defer | ELAP 10.0_ST: Hastatus of ACTIVE server is showing status other than ACTIVE. | There is small possibility the hastatus of the ELAP could be wrong after switch over. Booting the server corrects. |
| 225828 | | 3 | Resolved | Defer | ELAP10.0_ST: No Error is observed on ELAP GUI in case there is no log file present in free directory | Just confusion as there is no file to act on. |
| 226092 | Y | 3 | Resolved | Defer | The Set Debug Levels submenu in Debug on ELAP GUI needs to be modified for the modified functionality. | Debug can only be turned on or off. The menu is confusing as it indicates levels. |
| 226212 | Y | 3 | Resolved | Defer | Help information for "SSH to MPS" submenu in Platform menu on ELAP GUI needs to be modified. | The "ssh to mps" menu option does not allow to login on server by entering "user@hostname". It works for user@<IP Address> |
| 226445 | Y | 3 | Resolved | Defer | ELAP GUI allows incorrect values for DGTT/NPANXX. | This behavior can lead to a situation where LSMS audit of ELAP will not report such extra items (DGTT/NPANXX) on ELAP causing DB inconsistency between LSMS and ELAP. |
| 227296 | | 3 | Resolved | No-Fix | ELAP 10.0: Alignment of serial numbers in Change password GUI is incorrect. | No impact. Information remains readable. |

| Bug# | SR? | Sev | Status | Disposition | Title | Customer Impact |
|---|---|---|---|---|---|---|
| 227636 | | 3 | Resolved | Defer | ELAP 10.0: HTTPS parameter is available in UiEdit variable. | HTTPS_ENABLED variable does not have any impact on the system.<br>The HTTPS_ENABLED variable can be deleted using the following command<br># uiEdit -d HTTPS_ENABLED |
| 227761 | | 3 | Resolved | Defer | ELAP 10.0: Sequence of NTP server ID is not correct in elapconfig menu. | NTP is working fine, just the display of configured NTP servers needs modification. It does not have any impact on working of NTP. |
| 228623 | Y | 3 | Resolved | Defer | Problems in transferLogsToRemote script | In some isolated cases, we have observed that if the sftp of one of the log file to the remote server fails, the next file in the directory is also not transferred to the remote server.<br><br>Also, there are some misleading alarms observed due to this transfer script. |
| 229699 | | 3 | Resolved | Defer | Syscheck on the 'B' standby server reports<br>file system error in<br>/var/TKLC/log/syscheck/fail_log file | An error "FAILURE:: Could not find /var/TKLC/elap/drbd/mysql file system!" will be visible to the customers in fail_log.<br>Run syscheck from CLI to get system status. |

# Upgrade Paths

The following figure illustrates the migration paths to ELAP 10.0.

**Figure RN- 1 ELAP 10.0 Migration Paths**
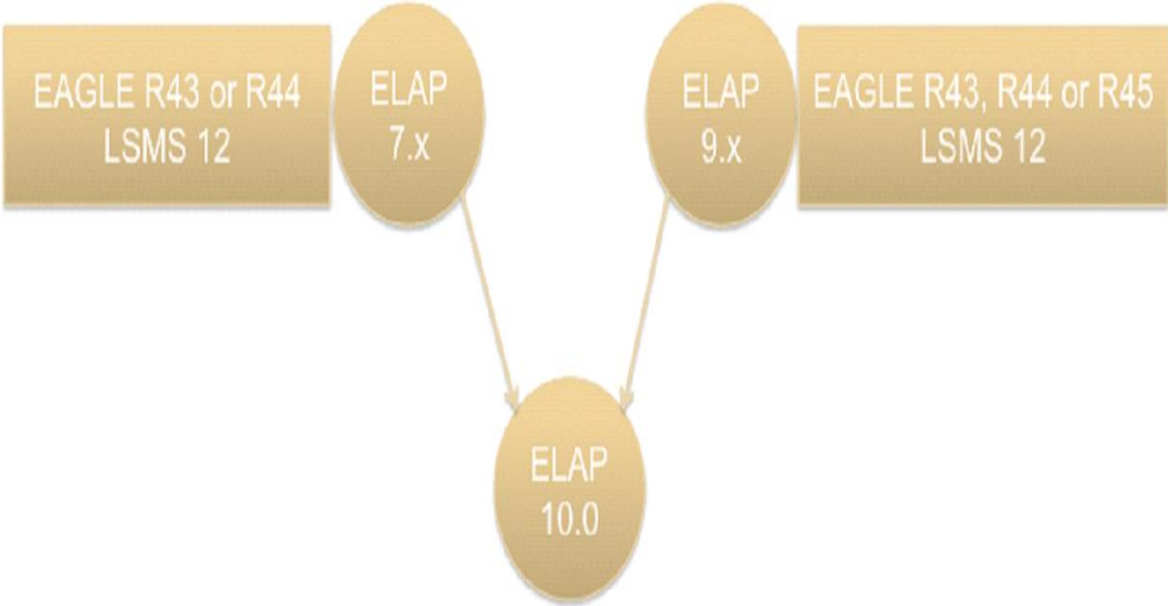
# Product Compatibility

Table RN-5 shows ELAP 10.0 compatibility with other related products.

**Table RN-5. ELAP 10.0 Compatibility with Other Related Products**

| Product | Release | Compatibility |
|---------|---------|---------------|
| EAGLE | 42.0 | NC |
| | 43.0 | FC |
| | 44.0 | FC |
| | 45.0 | FC |
| LSMS | 10.0 | NC |
| | 11.x | NC |
| | 12.0 | FC |

Note: ELAP 10.0 customers should upgrade their other products to the Fully Compatible releases identified in the table above.

**Legend:**

- FC - Fully Compatible
- PC - Partially Compatible-Product combinations are functional but have not undergone complete regression testing. Some feature capabilities may not be fully functional or supported.
- NC - Not Compatible

# 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 the Customer Care Center.

## 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).

## 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 (OSDC) site, https://edelivery.oracle.com. Only authorized customers with a valid password may download software from the site.

1. Log into the Oracle Software Delivery Cloud site at https://edelivery.oracle.com.
   The **Terms & Restrictions** page appears.
2. Read and accept both the Oracle Trial License Agreement and the Export Restrictions Agreement.
   The **Media Pack Search** page appears.
3. Select **Oracle Communications** for Product Pack and **Tekelec** for Platform.
4. Click the **Go** button.
   All media packs that meet the search criteria are displayed on the page.
5. Select the media pack for your Product and Release Number and click the **Continue** button.
   The **Download** page appears.
6. Provide a valid password in the Password field and click the Go button.
7. To download a file to your location, click the **Download** button.