

# Oracle® Communications Converged Application Server Release Notes



Release 8.1  
F82341-01  
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# My Oracle Support

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 (CAS) can assist you with My Oracle Support 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 My Oracle Support, select 2.

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.

## 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 call 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.

### 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 sub-header, click the **Oracle Communications documentation** link.  
The Communications Documentation page appears. Most products covered by these documentation sets appear under the headings "Network Session Delivery and Control Infrastructure" or "Platforms."
4. Click on your Product and then 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.

### Access to Oracle Support

Oracle customers that have purchased support have access to electronic support through My Oracle Support. For information, visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=info> or visit <http://www.oracle.com/pls/topic/lookup?ctx=acc&id=trs> if you are hearing impaired.

# Revision History

**Table 1 Revision History**

Date	Revision
December 2021	<ul style="list-style-type: none"><li>• Initial release</li><li>• Removed Hardware Requirements section.</li></ul>
March 2022	<ul style="list-style-type: none"><li>• Updates for Diameter load balancing in patch 32772852</li></ul>
April 2022	<ul style="list-style-type: none"><li>• Updates for SCTP multihoming in patch 32856203</li></ul>
August 2022	<ul style="list-style-type: none"><li>• Updates software versions with OL8</li></ul>
January 2023	<ul style="list-style-type: none"><li>• Adds MPS in patch feature</li></ul>

# 1

## New Features

Release 8.1 of the Converged Application Server supports the following new features.

### **Deploy on OCI with OKE**

This release supports deploying Converged Application Server on OCI with OKE. See the second chapter of the *Cloud Deployment Guide* for instructions.

### **SIP Debug Persistence**

Enabling or disabling SIP debug now persists across reboots.

### **Linux Support**

This release supports Oracle Linux 8.8.

# 2

## Software Versions

Use the following software versions when deploying the Converged Application Server.

**Table 2-1 Software Versions**

Software	Version
WebLogic Server	14.1.1.0.0
Java	<ul style="list-style-type: none"><li>• 1.8.0_301-b09</li><li>• 11.0.12</li></ul>
Oracle Linux	<ul style="list-style-type: none"><li>• 7.8</li><li>• 7.9</li><li>• 8.4</li><li>• 8.8</li></ul>



# 3

## Known Issues

The following table lists the known issues in this release and the workaround for each issue.

**Table 3-1 Known Bugs in this Release**

BugID	Description
20742195	<p>The RFC 6665 specification states that proxy servers that do not add Record-Route header fields to the initial SUBSCRIBE request are then prohibited from adding Record-Route header fields to any associated NOTIFY requests. However, Converged Application Server does not check for Record-Route header fields in NOTIFY requests.</p> <p>Developers creating applications for Converged Application Server should not call <code>Proxy.setRecordRoute(true)</code>, or <code>proxyBranch.setRecordRoute(true)</code> when handling notify requests that did not already set the Record-Route header field in a Register request.</p>
20318523 / 20550145	<p>Associating too many sessions with a single key causes performance problems.</p> <p>When using the new <code>SipApplicationSession.addIndexKey()</code> method, ensure that the session keys you create are unique to subscribers. This strategy helps you avoid performance degradation problems.</p> <p>If your session keys are unique to subscribers and large reads still cause performance problems, try paging the result when iterating over the read index record.</p> <p>If your session keys are unique to subscribers and large writes still cause performance problems, try splitting large index records into smaller "chunks." That way you do not need to deserialize the full record to add or remove values from it.</p>
18066581	<p>Deploying SIP applications that declare <code>ServletContainerInitializer</code> can in some cases cause the <code>onStartup()</code> method to be called twice.</p> <p>You can prevent this by using the <code>wlss.initializer.classes</code> system property to specify and limit SIP specific container initializers.</p>

**Table 3-1 (Cont.) Known Bugs in this Release**

<b>BugID</b>	<b>Description</b>
15957604	<p>Applications should not try to inject a resource with the same name in both a field and method. For example, injecting a SipFactory resource with the same name into both the setMySipFactory method and the mySipFactory field is not supported.</p> <p>This behavior is prohibited by JavaEE specification EE.5.2.3, but this release of Converged Application Server does not specifically check for this error.</p> <p>Violating this rule can cause unexpected behavior.</p>