Oracle® Communications Application Session Controller

Release Notes

Release 3.8.0

Revision 2

September 2020

ORACLE

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NNOS-E Release Notes, Version 3.8.0

This notice describes the current release of the Oracle OS-E® software. Systems running the OS-E software provide we-based application integration with IP communications as well as application level security, control, monitoring, and interoperability services for SIP-based Unified Communications.

Note: For existing customers who are upgrading from a prior release, the Covergence software components have been renamed under Oracle, Inc., as follows:

- Covergence—Now **Oracle**
- Session Manager—Now **Oracle Communications OS-E** (**OS-E**)
- CMS Web—Now **OS-E Management System**
- CXC-354—Now **OS-E**
- CXC-554—Now **OS-E**
- CVA—Now **Net-Net OS-E Virtual Machine** (**OS-E VM**)
- CLI prompt—Now **NNOS-E** (default)

You should review this notice for details about Release 3.8.0, information about operational considerations and known issues from prior releases, and for instructions on installing and upgrading to this release.

Technical Documentation

The Net-Net OS-E references in this documentation apply to the Net-Net OS-E operating system software that is used for Oracle Communications Application Session Controller (ASC).

Unless otherwise stated, references to Net-Net OS-E in this document apply to all of the Oracle and third-party vendor products that use Net-Net OS-E software.

Oracle provides the following documentation set in PDF format, viewable using Adobe Reader 5.0 or later. These PDF files are available when you download OS-E software from Oracle, from your customer Web portal, as well as from docs.acmepacket.com.

- *Oracle Communications Application Session Controller System and Installation and Commissioning Guide*
- *Oracle Communications Application Session Controller Management Tools*
- *Oracle Communications Application Session Controller System Administration Guide*
- *Oracle Communications Application Session Controller Session Services Configuration Guide*
- *Oracle Communications Application Session Controller Objects and Properties Reference*
- *Oracle Communications Application Session Controller System Operations and Troubleshooting*
- *Oracle Communications Application Session Controller Release Notes*
- *Oracle Communications Application Session Controller Web Services SOAP REST API*

Note: Oracle provides updates to the manuals on a regular basis. Go to your Oracle Web portal for the latest files in PDF format.

Release Note Revision History

This section contains a revision history for this document.

Date	Revision Number	Description
September, 2019	Revision 1	• Added the resolved bugs list for patch release 3.8.0.0.1
September, 2020	Revision 2	• Added the resolved bugs list for patch release 3.8.0.0.2

OS-E Virtual Machine

The OS-E software, available as a VMware® or KVM, runs on x86-based servers.

For complete information on downloading and running the VM on compatible x86-based servers, refer to the Oracle Communications OS-E Installation and Commissioning Guide.

Software Download and Commissioning Process

The software download mechanism allows new and existing customers to acquire OS-E software directly from Oracle. Using secure URLs that can be accessed over the internet, Oracle provides all necessary software downloads for USB creation, product licensing, and commissioning of your selected hardware.

As part of each download, and depending on your actual requirements, Oracle provides the following:

- Oracle Boot Media Creator and the OS-E Release 3.8.0 software.
- Feature licenses.
- Documentation on how to create a OS-E USB stick for commissioning the software on your selected hardware.
- Standard set of OS-E technical publications.

If not included in the shipment, you will need to provide a USB stick not less than 2GB storage to handle OS-E software downloads. Oracle has tested a variety of USB sticks available from current suppliers and manufacturers. Most USB sticks manufactured today will work.

For complete information on accessing the Oracle download server, creating an installation USB, and commissioning a OS-E device, refer to the Oracle Communications OS-E Installation and Commissioning Guide.

OS-E System Files Available for Download

The OS-E system files available for individual download are as follows:

- Oracle Communications Application Session Controller E380m0 Installation ISO image
- Oracle Communications Application Session Controller E380m0 License Document

  Note: This list applies to 3.8.0 release except for 3.7.0M4. For an accurate list of 3.7.0M4 OS-E system files available for individual download, see the *Oracle Communication Application Session Controller 3.7.0 Maintenance Release Guide*.

Installing and Upgrading Release 3.8.0

For release 3.8.0, as 3.7.1 and 3.7.0M4, the OS-E runs on Oracle Linux and uses yum to install and update RPM files. In the releases prior to 3.7.0M4, the OS-E install package came with its own custom kernel.

Refer *Oracle Communications Application Session Controller System Installation and Commissioning Guide Release 3.8.0* for installation instructions.

Supported Upgrade Paths for Release 3.8.0

The direct upgrade path is supported from 3.7.1 to 3.8.0.

To upgrade to 3.8.0 from a release prior to 3.7.1, you must first upgrade to the latest available patch of 3.7.1.

Release 3.8.0

This section lists the resolved and known bugs for this release.

Resolved Bug List

The following table summarizes the critical resolved bugs in this release:

Bug#	Severity	Title
29133299	2	Memory failures due to large configuration
27211009	2	CLONE - NICE call reinvite causes crash in SIP Process.
27156627	2	Cluster failover group failed to host on any box in the cluster
26867721	2	SIP process crashed and failed to come up
26721785	2	The cluster-master master service is not active on cluster Buster
26503369	2	show cpu-usage hits 100% with CDR configuration on MVTEST6 Rig with 370m3p9d.
26445689	2	m4p1 web config changes don't take
26307054	2	f76bb029 ipmi_lock + 0x9 /usr/lib/libOpenIPMIutils.so.0.0.1
26275387	2	0 (crash report generated by request from 0823fed8 MsgRestartAfterPBFa
26266624	2	manager exceptions m3p9c
25895947	2	OL7 / partition is 50gbI
25877159	2	ha upgrade not available in M4
23599441	2	Unexpected swichovers in ASC in production system (repsol)

Bug#	Severity	Title
29357173	2	CVE-2018-15756: SPRING FRAMEWORK UPGRADE TO 5.0.10, 4.3.20
28992779	2	CVE-2016-1000031: APACHE COMMONS FILEUPLOAD UPGRADE TO 1.3.3
27210997	2	MsgGetHeaderFromList + 0x12 rv/SipTK/message/ RvSipMsg.c:5656
23536690	2	Failover testing leads to loss of audio
29742721	3	Reason in sip-server-availability output not correct
29678380	2	ASC within a cluster crashed and master service went active on both
29712907	2	ASC 371 release is not responding to fragmented SIP invite
29802300	3	Analysis crash in new lab install
29228279	1	rtp-cache-max-entries doesn't exist in 3.7.1 config
29254816	1	After upgraded to 3.7.1, ASC is sending corrupted playback audio

Known Problems, Restrictions, and Operational Considerations in 3.8.0

Manger crash was observed after login via web to ASC with 3.7.1m0p2

A known UnixODBC bug will cause manager process crash, Oracle Linux team provide the temp fix and verification passed, the fix will be put into later patch once OL team will deliver it officially.

Error occurs when adding users in Access tab of ASC GUI

When we add users in **Access** tab, if the forms are empty, it will report error "java.lang.NullPointerException" when submitted.

Patch Release 3.8.0.0.1

This section lists the resolved bugs for this patch release.

Resolved Bug List

The following table summarizes the critical resolved bugs in this release:

Bug#	Severity	Title
29195112	2	Monitor segmentation fault and crash on Box 1 - 371m0 Lab
29371990	2	4 ASC clusters failed over to box 2 on 2/18/19
29816910	2	EventCore crashed when running 371 with covip fix for frag. UDP invite
29996336	4	Chrome rel 75.0.3770.100 (64bit) creates two entries with copy button
29286187	4	show msrp-connections showing 0 for all counters on MSRP sessions
29871048	4	Error occurs when adding users in Access
29894636	2	Manager Crash on 371m0p2 build 72455

Patch Release 3.8.0.0.2

This section lists the resolved bugs for this patch release.

Resolved Bug List

The following table summarizes the critical resolved bugs in this release:

Bug#	Severity	Title
30051530	2	Web Services Crash
30773179	2	ASC active box not responding via ssh & gui