Oracle® Communications

IDIH

Release Notice

Release 8.2.3

F35175-02

Revision 02
November 2020

Oracle Communications, IDIH Release Notice, Release 8.2.3

Copyright © 2020, Oracle and/or its affiliates. All rights reserved.

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 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 installed on the hardware, and/or documentation, delivered to U.S. Government end users are "commercial computer software" pursuant to the applicable Federal Acquisition Regulation and agency-specific supplemental regulations. As such, use, duplication, disclosure, modification, and adaptation of the programs, including any operating system, integrated software, any programs installed on the hardware, and/or documentation, shall be subject to license terms and license restrictions applicable to the programs. 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 and Java are registered trademarks of Oracle and/or its affiliates. Other names may be trademarks of their respective owners.

Intel and Intel Xeon 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, Opteron, the AMD logo, and the AMD Opteron 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.

Table of Contents

Chapter 1: Introduction 1

IDIH 8.2.3 Overview 2
Revision History 2

Chapter 2: Feature Descriptions 3

New Feature 4

Chapter 3: IDIH Release 8.2.3 Media and Documentation 5

Media Pack 6
Load Line Up 7
Documentation Pack 7

Chapter 4: Supported Hardware Baseline 9

Chapter 5: Firmware Components 10

Oracle Firmware Upgrade Pack 11

Chapter 6: IDIH Release 8.2.3 Supported Upgrade Paths 12

Supported Upgrade Paths 13

Chapter 7: IDIH Release 8.2.3 Resolved and Known Bugs 14

Severity Definitions 15
Resolved Bug List 16

Chapter 8: Oracle References and Services 17

My Oracle Support (MOS) 18
Emergency Response 18
Customer Training 19
Locate Product Documentation on the Oracle Help Center Site 19
Locate Product Release Software on the Oracle Software Delivery Cloud Site 20

List of Tables

Table 1: Media Pack Contents for 8.2.3 6
Table 2: Documentation Pack Contents 7
Table 3: IDIH Release 8.2.3 Upgrade Paths 13
Table 4: IDIH Release 8.2.3 Resolved Bugs 16

Chapter 1: Introduction

Topics:

IDIH 8.2.3 Overview
Revision History

This Release Notice includes feature descriptions, supported hardware baseline, and media and documentation pack contents, and identifies the supported upgrade paths. This document includes listings for both the resolved and known bugs for this release. Directions for accessing key Oracles sites and services are also identified in the Oracle References and Services chapter.

Release Notices are included in the documentation pack made available with every software release.

IDIH 8.2.3 Overview

The Integrated Diameter Intelligence Hub (IDIH) supports advanced troubleshooting for Diameter traffic handled by the DSR. The IDIH is an optional feature of the DSR that enables the selective collection and storage of diameter traffic and provides nodal diameter troubleshooting.

IDIH is an integrated troubleshooting capability for the DSR that provides detailed information about how specific messages are processed within the DSR. IDIH allows the user to create trace filters on DSR to capture messages needed for troubleshooting service issues, and presenting those traces to the user through the graphical visualization capabilities provided by IDIH. This feature provides the ability to configure and manage traces from the DSR, as well as filtering, viewing, and storing their results with IDIH.

Revision History

Date	Revision	Description
October 2020	01	Release for IDIH 8.2.3
November 2020	02	Revised release for IDIH 8.2.3 with new upgrade path information

Chapter 2: Feature Descriptions

IDIH 8.2.3 is compatible with DSR 8.3, 8.4, and 8.5.

New Feature

The following IDIH feature is implemented in release 8.2.3:

- Support for the following Service Capability Exposure Function (SCEF) Diameter interfaces: T6a/T6b, S6t, S6m/S6n, and T4. For more information about this feature, refer to the IDIH User's Guide.

Chapter 3: IDIH Release 8.2.3 Media and Documentation

Topics:

Media Pack
Load Line Up
Documentation Pack

Oracle Communications software is available for electronic download on the Oracle Software Delivery Cloud (OSDC). Documentation is delivered electronically on the Oracle Help Center (OHC). Both the software Media Pack and 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 1: Media Pack Contents.

Note: This list is accurate at the time of release but is subject to change. See the Oracle software delivery website for the latest information.

Table 1: Media Pack Contents for 8.2.3

Part Number	Description
V1003486-01	Oracle Communications Integrated Diameter Intelligence Hub Mediation 8.2.3.0.0-82.40.0
V1003491-01	Oracle Communications Integrated Diameter Intelligence Hub Mediation 8.2.3.0.0-82.40.0 OVA
V1003488-01	Oracle Communications Integrated Diameter Intelligence Hub Database TVOE Guest 8.2.3.0.0-82.40.0
V1003487-01	Oracle Communications Integrated Diameter Intelligence Hub Database 8.2.3.0.0-82.40.0
V1003491-01	Oracle Communications Integrated Diameter Intelligence Hub Mediation 8.2.3.0.0-82.40.0 OVA
V1003484-01	Oracle Communications Integrated Diameter Intelligence Hub Applications 8.2.3.0.0-82.40.0
V1003490-01	Oracle Communications Integrated Diameter Intelligence Hub Applications 8.2.3.0.0-82.40.0 OVA
V1003443-01	Oracle Communications Tekelec Platform Distribution 7.7.0.0.0-88.68.0
V984443-01	Oracle Communications Tekelec Virtual Operating Environment 3.6.2.0.0_88.58.0
V981810-01	Oracle Communications Tekelec Platform Management and Configuration 6.6.1.0.0_66.9.0

Load Line Up

IDIH 8.2.3 contains the following components:

- Application Lineup
  - IDIH 8.2.3.0.0_82.40.0
- Platform Line-up
  - TPD: TPD.install-7.7.0.0.0-88.68.0-OracleLinux6.10-x86_64.iso (DSR/SDS/IDIH/PMAC Baseline; Oracle Linux 6.10)
  - TVOE: 3.6.2.0.0_88.58.0-x86_64.iso
  - PMAC: 6.6.1.0.0_66.9.0-x86_64.iso
  - Oracle FW 3.1.7 (minimum)
  - HP FUP 2.2.12 (minimum)
- Other Items Lineup
  - WebLogic: 12c, version 12.2.1.4.0
  - Oracle Database: 12c Enterprise Edition, version 12.1.0.2.0 – 64bit Production

Documentation Pack

All documents available for download from the Oracle Help Center (OHC) site (http://docs.oracle.com/en/industries/communications/) are listed in Table 2: Documentation Pack Contents.

Note: This list is accurate at the time of release, but it is subject to change. See the Oracle Help Center for the latest information.

Table 2: Documentation Pack Contents

Integrated Diameter Intelligence Hub (IDIH) Document Set for 8.2.3
IDIH User's Guide
IDIH Alarm Forwarding Administrator's Guide
IDIH Audit Viewer Administrator's Guide
IDIH Operations, Administration and Maintenance Administrator's Guide
IDIH ProTrace User's Guide
IDIH Log Viewer Administrator’s Guide

Chapter 4: Supported Hardware Baseline

Refer to DSR 8.5 Release Notice (https://docs.oracle.com/cd/F27846_01/docs.85/Release%20Notice.pdf) for supported hardware information.

Chapter 5: Firmware Components

Topics:

Oracle Firmware Upgrade Pack

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.

Oracle Firmware Upgrade Pack

Oracle Firmware Upgrade Pack Release Notes 3.1.8, HP Solutions Firmware Upgrade Pack Release Notes 2.2.12 and 2.2.13 provide information about the firmware versions approved for this Oracle Firmware Upgrade Pack release to assist customers with upgrading their Oracle hardware. Also, additional instructions and guidance on the firmware upgrades have been provided wherever possible.

The Release Notes are available on Oracle Help Center (OHC) at https://docs.oracle.com/cd/E93250_01/index.htm.

Chapter 6: IDIH Release 8.2.3 Supported Upgrade Paths

Topics:

Supported Upgrade Paths

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

Supported Upgrade Paths

IDIH 8.2.3 is compatible with DSR 8.3, 8.4, and 8.5. If IDIH is a component of a Network Element, it should only be upgraded after the DSR upgrade.

The possible upgrade paths to IDIH Release 8.2.3 are listed in Table 3.

Table 3: IDIH Release 8.2.3 Upgrade Paths

Component	From	To
IDIH	8.1.0, 8.2.0, 8.2.1, 8.2.2	8.2.3

Note: Any upgrade other than listed above is not recommended or supported.

Chapter 7: IDIH Release 8.2.3 Resolved and Known Bugs

Topics:

Severity Definitions
Resolved Bug List

This chapter lists the resolved and known bugs for IDIH release 8.2.3.

These 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.

1. **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:

   - Product inoperability (total or partial outage),
   - A reduction in the capacity capability, that is, traffic/data handling capability, such that expected loads cannot be handled,
   - Any loss of emergency capability (for example, emergency 911 calls), or
   - Safety hazard or risk of security breach.

2. **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 less immediate or impending effect on product performance, customers, and the customer's operation and revenue, such as:

   - Reduction in product's capacity (but still able to handle the expected load),
   - Any loss of administrative or maintenance visibility of the product and/or diagnostic capability,
   - Repeated degradation of an essential component or function, or
   - Degradation of the product's ability to provide any required notification of malfunction.

3. **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.

The numbered severity levels in the tables below correspond to these definitions of 1–Critical, 2–Major, or 3–Minor.

Resolved Bug List

Table 4: IDIH Release 8.2.3 Resolved Bugs lists bugs resolved in this release.

Table 4: IDIH Release 8.2.3 Resolved Bugs

Bug Number	Severity	Found in Release	Title
30994039	2	8.0	Support for MTC interfaces at IDIH

Chapter 8: Oracle References and Services

Topics:

- My Oracle Support (MOS)
- Emergency Response
- Customer Training
- Locate Product Documentation on the Oracle Help Center Site
- Locate Product Release Software on the Oracle Software Delivery Cloud Site

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

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 requests.
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 are 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, and 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 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 your business can realize all of the benefits these rich solutions offer. Visit the Oracle University website to view and register for Oracle Communications training: http://www.oracle.com/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 displays. Most products covered by these documentation sets appear under the heading “Signaling and Policy.”
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.

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.

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