

Oracle® Communications Integrated Diameter Intelligence Hub Release Notice



Release 8.2.3.1

F55872-01

April 2022

The Oracle logo, consisting of a solid red square with the word "ORACLE" in white, uppercase, sans-serif font centered within it.

ORACLE®

Oracle Communications Integrated Diameter Intelligence Hub Release Notice, Release 8.2.3.1

F55872-01

Copyright © 2000, 2022, 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 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" or "commercial computer software documentation" 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, and MySQL 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	
	IDIH Overview	1-1
	Oracle DB Patch Installation	1-1
2	Feature Descriptions	
3	Media and Documentation	
	Media Pack	3-1
	Load Lineup	3-2
	Documentation Pack	3-2
4	Supported Upgrade Paths	
5	Supported Hardware Baseline and Firmware Components	
6	Resolved and Known Bugs	
	Severity Definitions	6-1
	Resolved Bug List	6-2
	Customer Known Bug List	6-2

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 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:

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.

What's New in This Release

Updated the new upgrade path in the [Supported Upgrade Paths](#) section.

List of Tables

3-1	Media Pack Contents for 8.2.3	3-1
4-1	Upgrade Paths	4-1
6-1	IDIH Release 8.2.3 Resolved Bugs	6-2

1

Introduction

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 Oracle sites and services are explained in [My Oracle Support](#) section.

IDIH Overview

Integrated Diameter Intelligence Hub (IDIH) supports advanced troubleshooting for the Diameter traffic processed by Diameter Signaling router (DSR).

IDIH provides the following functionalities:

- Enables the selective collection and storage of Diameter traffic and provides nodal Diameter troubleshooting.
- Provides detailed information about how specific messages are processed within DSR.
- Allows users to create trace filters on DSR to capture messages required for troubleshooting service issues, and presenting those traces to the user through the graphical visualization capabilities.

Oracle DB Patch Installation

1. Login to Oracle VM as admusr and change to oracle user.
2. List current patches applied using the following command:

```
opatch lspatches
```

The output must be as follows:

```
27923320;Database PSU 12.1.0.2.180717, Oracle JavaVM Component (JUL2018)  
27547329;Database Patch Set Update : 12.1.0.2.180717 (27547329)
```

```
OPatch succeeded.
```

(Optional) Enter the result of the procedure here.

2

Feature Descriptions

The following feature is introduced in IDIH Release 8.2.3.1:

- Modifications related to IDIH installation on OL7 and KVM: Refer to the following documents:
 - *Diameter Signaling Router Cloud Installation Guide Release 8.6*
 - *Diameter Signaling Router Cloud Software Upgrade Guide Release 8.6*
 - *Diameter Signaling Router Cloud Disaster Recovery Guide Release 8.6*

3

Media and Documentation

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

This section lists the media package for IDIH 8.2.3. For downloading the package, refer to [My Oracle Support](#).

 **Note:**

- This list is accurate at the time of release but is subject to change. Refer to the Oracle software delivery website for the latest information.
- No new Media package for IDIH 8.2.3.1. Refer to the Oracle software delivery website for the latest information.

Table 3-1 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 Lineup

IDIH 8.2.3 contains the following components:

 **Note:**

No new Load Lineup package for IDIH 8.2.3.1. Refer to the Oracle software delivery website for the latest information.

- Application Lineup
 - IDIH 8.2.3.0.0_82.40.0
- Platform Lineup
 - TPD: TPD.install-7.7.0.0-88.68.0-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 Lineup items
 - 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 are available for download from the [Oracle Help Center \(OHC\)](#) site.

Documentation Pack Contents

 **Note:**

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

- *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*

4

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 following table provides information about possible upgrade paths to IDIH Release 8.2.3:

Table 4-1 Upgrade Paths

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

5

Supported Hardware Baseline and Firmware Components

Hardware Baseline

For supported hardware information, refer to the *DSR Release Notice*.

Firmware Components

The firmware components are software that is installed on the hardware. 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 about the firmware upgrades have been provided wherever possible.

6

Resolved and Known Bugs

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

Service requests for supported Oracle programs may be submitted by you online through Oracle's web-based customer support systems or by telephone. The service request severity level is selected by you and Oracle and should be based on the severity definitions specified below.

Severity 1

Your production use of the supported programs is stopped or so severely impacted that you cannot reasonably continue work. You experience a complete loss of service. The operation is mission critical to the business and the situation is an emergency. A Severity 1 service request has one or more of the following characteristics:

- Data corrupted.
- A critical documented function is not available.
- System hangs indefinitely, causing unacceptable or indefinite delays for resources or response.
- System crashes, and crashes repeatedly after restart attempts.

Reasonable efforts will be made to respond to Severity 1 service requests within one hour. For response efforts associated with Oracle Communications Network Software Premier Support and Oracle Communications Network Software Support & Sustaining Support, please see the Oracle Communications Network Premier & Sustaining Support and Oracle Communications Network Software Support & Sustaining Support sections above.

Except as otherwise specified, Oracle provides 24 hour support for Severity 1 service requests for supported programs (OSS will work 24x7 until the issue is resolved) when you remain actively engaged with OSS working toward resolution of your Severity 1 service request. You must provide OSS with a contact during this 24x7 period, either on site or by phone, to assist with data gathering, testing, and applying fixes. You are requested to propose this severity classification with great care, so that valid Severity 1 situations obtain the necessary resource allocation from Oracle.

Severity 2

You experience a severe loss of service. Important features are unavailable with no acceptable workaround; however, operations can continue in a restricted fashion.

Severity 3

You experience a minor loss of service. The impact is an inconvenience, which may require a workaround to restore functionality.

Severity 4

You request information, an enhancement, or documentation clarification regarding your software but there is no impact on the operation of the software. You experience no loss of service. The result does not impede the operation of a system.

Resolved Bug List

The following Resolved Bugs tables list the bugs that are resolved in IDIH Release 8.2.3.1.

Table 6-1 IDIH Release 8.2.3 Resolved Bugs

Bug Number	Severity	Found in Release	Title
33721746	3	8.0	Sticky bit of oracle binary file is overwritten during IDIH DB upgrade
33545015	3	8.0	IDIH:Export Trace as PCAP shows duplicate records

Customer Known Bug List

There are no known bugs detected in this IDIH Release.