

# Oracle® Communications Diameter Signaling Router

## Release Notes



Release 9.3.1.0.0

G58756-01

August 2026

ORACLE®

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# Preface

- [Documentation Accessibility](#)
- [Diversity and Inclusion](#)
- [Conventions](#)

## Documentation Accessibility

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## Conventions

The following text conventions are used in this document:

| Convention      | Meaning                                                                                                                                |
|-----------------|----------------------------------------------------------------------------------------------------------------------------------------|
| <b>boldface</b> | Boldface type indicates graphical user interface elements associated with an action, or terms defined in text or the glossary.         |
| <i>italic</i>   | Italic type indicates book titles, emphasis, or placeholder variables for which you supply particular values.                          |
| monospace       | Monospace type indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter. |

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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.

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# What's New in this Guide

This section introduces the documentation updates for Release 9.3.1.0.0.

## **Release 9.3.1.0.0 - G58756-01, August 2026**

- Added DSR features in the [DSR Features](#) section.
- Added vSTP features in the [vSTP Features](#) section.
- Added the media pack component information in the [DSR Release 9.3.1.0.0](#) section.
- Updated the [DSR Release 9.3.1.0.0](#) section.
- Updated the [DSR Security Test Summary](#) section.
- Updated the [Supported Upgrade and Migration Paths](#) section.
- Added DSR resolved bugs in the [DSR](#) section.
- Added vSTP resolved bugs in the [vSTP](#) section.
- Added DSR known bugs in the [DSR](#) section.
- Added ATS known bugs in the [ATS](#) section.
- Added vSTP known bugs in the [vSTP](#) section.

# 1

## Introduction

This document provides information about new features and enhancements to the existing features for Oracle Communications Diameter Signaling Router.

media and documentation packs, feature descriptions, information about the supported hardware baseline, supported upgrade paths. The details of the fixes are included in the Resolved Bug List section. For issues that are not yet addressed, see the Known Bug List.

Release Notes are included in the documentation pack and made available with every software release. For information on how to access key Oracle sites and services, see [My Oracle Support](#).

### 1.1 DSR Overview

Oracle Communications Diameter Signaling Router (DSR) helps communications service providers monetize their network more efficiently to remain competitive in the market. It creates a centralized and secure signaling architecture that enables core networks to grow incrementally and to support increasing service and traffic demands. The distinctive advantages provided by the Oracle Communications Diameter Signaling Router are network scalability, resiliency, interoperability, and security, as well as network visibility. The cloud deployable Oracle Communications Diameter Signaling Router enables service providers to manage Diameter signaling while optimizing network resources, therefore maximizing the return on network and technology investments.

#### Disclaimer

Before installing third-party software on the same server with Oracle products, for example, DSR, PCRF, UDR, PIC, EAGLE, and so on, you must be aware of the following information:

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- Oracle is not responsible for validating or integrating non-Oracle software with Oracle products, for example, DSR, PCRF, UDR, PIC, EAGLE, and so on. Additionally, the persistence of the non-Oracle software over the upgrade of any Oracle product may or may not occur, and Oracle does not guarantee that the non-Oracle software will persist.
- Oracle Support may require that the customer uninstall the non-Oracle software and reinstall Oracle products, for example, DSR, PCRF, UDR, PIC, EAGLE, and so on, to recover the system to address any field issue.

# 2

## Virtual Platforms Supported

Virtual DSR is tested and supported only on the following platforms:

- VMware ESXi 8.0 U2
- KVM QEMU 6.2.0, libvirt 8.0.0, and API QEMU 8.0.0
- OpenStack Epoxy

### **Note**

Bare Metal is not supported from DSR 9.0.0.0.0.

For more information, see *DSR Cloud Benchmarking Guide*.

### **Note**

Our benchmarking and performance numbers are based only on the above-mentioned platforms. If the customer environment is deployed on any other platform, all issues including compatibility and infrastructure concerns would be the responsibility of the customer. Oracle would only be responsible for application related issues.

# 3

## Feature Descriptions

This chapter describes the features for the 9.3.0.0.0 release.

### 3.1 Release 9.3.1.0.0

This chapter introduces the new features or feature enhancements for DSR, vSTP, VNFM, and UDR.

#### 3.1.1 DSR Features

The following DSR features are implemented in release 9.3.1.0.0:

- **TACACS+ CLI Authentication:** TACACS+ (Terminal Access Controller Access-Control System Plus) authentication is now supported for DSR Command Line Interface (CLI) users, enabling secure CLI access. For more information, see *Oracle Communications Diameter Signaling Router Operations, Administration, and Maintenance Guide*.
- **Oracle Certificate Lifecycle Manager:** Oracle Communications Lifecycle Management (OCLM) provides a VM-based certificate lifecycle service for requesting and renewing certificates from an Operator Certificate Authority (Operator CA). OCLM is used in the DSD/SDS certificate lifecycle environment and must be configured with the customer DSD/SDS deployment and Operator CA. For more information, see *Oracle Communications Diameter Signaling Router Oracle Certificate Lifecycle Manager Guide*.
- Support to X.509 certificates for authentication and encryption of all DSR/SDS inter-server interfaces.

#### 3.1.2 vSTP Features

The following vSTP features are implemented in release 9.3.1.0.0:

- **Common Screening List :** This feature extends the existing vSTP Common Screening List (CSL) framework so GPORT and GFLEX service processing can be gated using incoming linkset, CDPA address, and CGPA address after SCCP service selection. For more information, see *Oracle Communications Diameter Signaling Router vSTP SS7 Security Guide*.
- **SFAPP enhancement to Store Subscriber Information on ATI Timeout:** The Store Subscriber Information SFAPP option controls whether vSTP stores subscriber and VLR data in the UDR when an ATI request to HLR times out and the configured SFAPP default action is Fallback. For more information, see *Oracle Communications Diameter Signaling Router vSTP SS7 Security Guide*.

#### 3.1.3 VNFM Features

There are no VNFM features for the release.

## 3.1.4 IDIH Features

There are no IDIH features for the release.

## 3.1.5 UDR Features

There are no UDR features for the release.

# 4

## 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.

### 4.1 Media Pack

All components available for download from the Oracle Software Delivery Cloud (<https://edelivery.oracle.com/>) are in the following Media Pack contents tables.

#### Note

This list is accurate at the time of release but is subject to change. See the [Oracle Software Delivery Cloud](#) website for the latest information.

#### 4.1.1 DSR Release 9.3.1.0.0

**Table 4-1 Media Pack Contents for DSR 9.3.1.0.0**

| Part Number | Description                                                                                         |
|-------------|-----------------------------------------------------------------------------------------------------|
| V1058663-01 | Oracle Communications Diameter Signaling Router 9.3.1.0.0-104.10.0 DIU ISO                          |
| V1058664-01 | Oracle Communications Diameter Signaling Router 9.3.1.0.0-104.10.0 OVA                              |
| V1058665-01 | Oracle Communications Diameter Signaling Router 9.3.1.0.0-104.10.0 QCOW2                            |
| V1058666-01 | Oracle Communications Diameter Signaling Router, Full Address Resolution 9.3.1.0.0-104.10.0 DIU ISO |
| V1058667-01 | Oracle Communications Diameter Signaling Router, Full Address Resolution 9.3.1.0.0-104.10.0 OVA     |
| V1058668-01 | Oracle Communications Diameter Signaling Router, Full Address Resolution 9.3.1.0.0-104.10.0 QCOW2   |
| V1058669-01 | Oracle Certificate Lifecycle Manager 1.0.0.0.0-9.0.0 VMDK                                           |
| V1058670-01 | Oracle Certificate Lifecycle Manager 1.0.0.0.0-9.0.0 QCOW2                                          |
| V1058671-01 | Oracle Communications Diameter Signaling Router Diameter Security Application 9.3.1.0.0-104.10.0    |
| V1058672-01 | Oracle Communications Diameter Signaling Router Steering Of Roaming Application 9.3.1.0.0-104.10.0  |
| V1058673-01 | Oracle Communications Diameter Signaling Router Zero Balance Application 9.3.1.0.0-104.10.0         |
| V1058674-01 | Oracle Communications Diameter Signaling Router Rx ShUDR Application 9.3.1.0.0-104.10.0             |
| V1058675-01 | Oracle Communications Diameter Signaling Router 9.3.1.0.0-104.10.0 MIBs                             |

**Table 4-1 (Cont.) Media Pack Contents for DSR 9.3.1.0.0**

| Part Number | Description                                                                                      |
|-------------|--------------------------------------------------------------------------------------------------|
| V1058696-01 | Oracle Communications Diameter Signaling Router Automated Test Suite (ATS) 9.3.1.0.0-1.0.8 TGZ   |
| V1058697-01 | Oracle Communications Diameter Signaling Router Automated Test Suite (ATS) 9.3.1.0.0-1.0.8 QCOW2 |

## 4.2 Load Lineup

This section provides information about supported services and ATS for this release.

### 4.2.1 DSR Release 9.3.1.0.0

DSR Release 9.3.1.0.0 contains the following components:

- Application Lineup
  - DSR: 9.3.1.0.0\_104.10.0
  - SDS: 9.3.1.0.0\_104.10.0
  - VNFM: 6.3.0.0.0\_63.5.5
  - ATS: 9.3.1.0.0-1.0.8
  - UDR: 14.3.0.0.0-114.64.0
  - IDIH: 9.3.0.0.0
- Platform Lineup
  - TPD: 8.10.1.14.0-150.37.0
  - Comcol: 8.1.0.49.0-14268
  - Appw: 9.9.3-104.10.0
  - Exgs: 9.9.3-104.10.0

#### **UDR Release 14.3.0.0.0**

UDR Release 14.3.0.0.0 contains the following components:

- Application Lineup
  - UDR: 14.3.0.0.0-114.64.0
- Platform Lineup
  - TPD: 8.10.1.11.0-150.28.0
  - Comcol: 8.1.0.32.0-14261
  - Appw: 9.9.3-103.12.0
  - Exgs: 9.9.3-103.12.0
  - DPI: 9.3.0.0.0\_103.15.0

## 4.3 Documentation Pack

All documents are available for download from the [Oracle Help Center \(OHC\)](#) site.

**Table 4-2 Documentation Pack Contents**

|                                                                                |
|--------------------------------------------------------------------------------|
| <b>Release Notes and Licensing Information User Manuals Document Set</b>       |
| Release Notes                                                                  |
| Licensing Information User Manual                                              |
| <b>DSR Planning, Installation, Upgrade, and Disaster Recovery Document Set</b> |
| DSR Feature Guide                                                              |
| DSR/SDS NOAM Failover User Guide                                               |
| DCA Feature Activation Procedure                                               |
| DTLS Feature Activation Procedure                                              |
| FABR Feature Activation Procedure                                              |
| Mediation Feature Activation Procedure                                         |
| PCA Feature Activation Procedure                                               |
| RBAR Feature Activation Procedure                                              |
| DSR Network Impact Report                                                      |
| DSR NIR MEALS Data                                                             |
| DSR Security Guide                                                             |
| DSA with UDR User Guide                                                        |
| DSR Security App Using Mediation Example Procedure                             |
| Zero Balance Application User Guide                                            |
| Diameter Signaling Router Rx ShUDR Application User Guide                      |
| DSR VM Placement and CPU Socket Pinning Tool                                   |
| DSR Compliance Matrix                                                          |
| <b>Cloud Installation and Upgrade Document Set</b>                             |
| DSR Cloud Installation Guide                                                   |
| DSR Cloud Software Upgrade User Guide                                          |
| DSR BareMetal to Cloud Migration Guide                                         |
| DSR Cloud Disaster Recovery Guide                                              |
| DSR Automated Test Suite (ATS) Installation and User Guide                     |
| DSR VNFM Installation and User Guide                                           |
| VNFM HEAT Templates                                                            |
| DSR Cloud Benchmarking Guide                                                   |
| SDS Cloud Installation Guide                                                   |
| SDS Cloud Disaster Recovery Guide                                              |
| <b>Diameter Signaling Router Core Document Set</b>                             |
| DSR Getting Started                                                            |
| Operation, Administration, and Maintenance (OAM) User Guide                    |
| Diameter User Guide                                                            |
| MMI API Specification                                                          |
| Communication Agent User Guide                                                 |
| Policy Charging Application User Guide                                         |
| Mediation User Guide                                                           |

**Table 4-2 (Cont.) Documentation Pack Contents**

|                                                                      |
|----------------------------------------------------------------------|
| Range Based Address Resolution (RBAR) User Guide                     |
| Full Address Based Resolution (FABR) User Guide                      |
| Subscriber Binding Repository (SBR) User Guide                       |
| IP Front End (IPFE) User Guide                                       |
| Diameter Common User Guide                                           |
| Equipment Identity Register User Guide                               |
| Diameter Custom Application (DCA) User Guide                         |
| Diameter Custom Application (DCA) Programmer Guide                   |
| Roaming Steering Application User Guide                              |
| RADIUS User Guide                                                    |
| vSTP User Manual                                                     |
| vSTP Heat Template                                                   |
| vSTP SS7 Security User Guide                                         |
| vSTP eLYNX Card Installation Guide                                   |
| ENUM User Guide                                                      |
| ENUM Heat Template                                                   |
| Mobile Number Portability (MNP) User Guide                           |
| TIF User Guide                                                       |
| Alarms and KPIs Reference                                            |
| Measurements Reference                                               |
| Glossary                                                             |
| Related Publications Reference                                       |
| <b>Subscriber Data Server Document Set</b>                           |
| SDS Getting Started                                                  |
| SDS User Guide                                                       |
| SDS Provisioning Interface Guide                                     |
| SDS Software Upgrade Procedure                                       |
| SDS BareMetal to Cloud Migration Guide                               |
| <b>UDR Installation, Upgrade, and Disaster Recovery Document Set</b> |
| UDR Cloud Installation and Configuration Guide                       |
| UDR Cloud Disaster Recovery Guide                                    |
| Provisioning Gateway Installation Guide                              |
| UDR Heat Templates                                                   |
| Provisioning Gateway Heat Templates                                  |
| UDR SOAP Provisioning Interface Specification                        |
| UDR REST Provisioning Interface Specification                        |
| UDR Bulk Import/Export File Specification                            |
| UDR Provisioning Database Application and Interface Specification    |
| <b>Integrated Diameter Intelligence Hub (IDIH) Document Set</b>      |
| IDIH Release Notes                                                   |
| IDIH User Guide                                                      |

## 4.4 DSR Security Test Summary

**Table 4-3 Security Test Summary**

| Security Test Description                                                                                                   | Test Completion Date | Summary                                   |
|-----------------------------------------------------------------------------------------------------------------------------|----------------------|-------------------------------------------|
| Static Source Code Analysis:<br>Assesses adherence to common secure coding standards.                                       | 19th June, 2026      | All Critical findings addressed.          |
| Dynamic Analysis (including fuzz testing):<br>Tests for risk of common attack vectors such as OWASP Top 10 and SANS Top 25. | 29th June, 2026      | All critical and high findings addressed. |
| Vulnerability Scans:<br>Scans for CVEs in embedded third-party components.                                                  | 29th June, 2026      | All critical and high findings addressed. |
| Malware Scans:<br>Scans all deliverable software packages for the presence of known malware.                                | 10th July, 2026      | No findings                               |

# 5

## Supported Upgrade and Migration Paths

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

The possible upgrade paths to DSR Release 9.3.1.0.0 are listed in the following table:

**Table 5-1 Supported Upgrade Paths**

| Component | From                                                  | To                                                                                                                                                                                                                                                          |
|-----------|-------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| DSR       | 9.0.1.0.0, 9.0.2.0.0, 9.1.0.0.0, 9.2.0.0.0, 9.3.0.0.0 | 9.3.1.0.0                                                                                                                                                                                                                                                   |
| SDS       | 9.0.1.0.0, 9.0.2.0.0, 9.1.0.0.0, 9.2.0.0.0, 9.3.0.0.0 | 9.3.1.0.0                                                                                                                                                                                                                                                   |
| IDIH      | NA                                                    | 9.3.0.0.0<br><b>Note:</b> <ul style="list-style-type: none"> <li>• IDIH 9.3.0.0.0 supports only fresh installation.</li> <li>• IDIH 9.3 requires different VM flavors and additional resources as compared to the older architecture (IDIH 8.x).</li> </ul> |
| vSTP      | 9.1.0.0.0, 9.2.0.0.0, 9.3.0.0.0                       | 9.3.1.0.0                                                                                                                                                                                                                                                   |
| UDR       | 14.1.0.0.0, 14.2.0.0.0                                | 14.3.0.0.0                                                                                                                                                                                                                                                  |

### Note

- For more information about IDIH, see the *Oracle Communications IDIH User Guide*.
- Any upgrade other than those listed above is not recommended or supported.
- VEDSR is not supported from DSR Release 8.3 onwards.

# 6

## Deprecated Software and Features

The following software element is not compatible with DSR 9.0.0.0.0 and later:

- SCEF

### Note

Baremetal is not supported from DSR 9.0.0.0.0.

The following features are deprecated from 8.4.0.5 and later:

- DSA with USBR
- ZBA with USBR
- SOR with USBR

The following software elements are not compatible with DSR 8.4 and later:

- DAMP Active-Standby Configuration
- GLA
- MAP Diameter Interworking

Virtualized Engineered DSR (VEDSR) deployment, also known as TVOE based Fully Virtualized Rack Mount Server (FV RMS) Signaling node, is not supported from DSR 8.3 and later. The following are the non-supported network elements of Virtualized Engineered DSR (VEDSR):

- DSR NOAM
- DSR SOAM
- DSR Message Processors (MP)
- SS7 MP
- DSR IPFE
- DSR SBR (Session or Binding or Universal)
- SDS NOAM
- SDS SOAM
- SDS QS
- SDS DP

Virtualized Engineered DSR (VEDSR) networks and associated elements need to be migrated to virtual DSR implementation based on KVM with or without OpenStack or VMware prior to DSR 8.3 or 8.4.x upgrade or install.

# Resolved and Known Bugs

This chapter lists the resolved and known bugs for DSR.

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.

## 7.1 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 through 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 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.

### 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 as follows:

1. 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

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.

Network Software Support & Sustaining Support, please see the Oracle Communications Network Premier & Sustaining Support and Oracle Communications Network Software Support & Sustaining Support sections above.

2. 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.
3. Severity 3 - You experience a minor loss of service. The impact is an inconvenience, which may require a workaround to restore functionality.
4. 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.

## 7.2 Resolved Bug List

This sections lists all resolved bugs for DSR, vSTP, and VNFM in this release.

### 7.2.1 DSR

#### Release 9.3.1.0.0

The following table lists the resolved bugs in DSR 9.3.1.0.0 release.

**Table 7-1 DSR 9.3.1.0.0 Resolved bugs**

| Bug Number | Severity | Found in Release | Title                                                                                                    |
|------------|----------|------------------|----------------------------------------------------------------------------------------------------------|
| 39443386   | 2        | 9.2.0.0.0        | 5001 alarms generated on IPFE after running savelogs_plat on MPs                                         |
| 39482717   | 2        | 9.2.0.0.0        | GUI does not open and throws an exception when RAM usage exceeds 90% -- DSR Version --9.2.0.0.0_102.16.0 |
| 39481822   | 3        | 9.0.0.0.0        | SDS pdbi connection got down due to memory leak issue                                                    |
| 39697674   | 3        | 9.0.0.0.0        | SDS: Patches for Copy-Fail Remediation Do Not Match md5sum.txt Values                                    |
| 39573218   | 3        | 9.0.0.0.0        | 9.0.1.0.1-98.16.0_ Issue when attempting to perform "backup all" command from GUI                        |
| 39335993   | 3        | 9.0.0.0.0        | apwSoapServer process restart   decryptKey cert length processing issue                                  |
| 39668170   | 3        | 9.2.0.0.0        | Rule template has been skipped message when importing Rule Template                                      |
| 39488167   | 3        | 9.0.0.0.0        | Assistance Needed: DSR 8.6 to 9.0.1.1 Migration Script Output and IPv6 Mapping Issues                    |
| 39327480   | 3        | 9.0.0.0.0        | TLS certificates were removed after upgrading from version 8.6 to 9.0.1.1                                |
| 39368934   | 3        | 9.0.0.0.0        | Log rotation persistence reverted to default after DSR 9.2.0.0.0 upgrade                                 |

**Table 7-1 (Cont.) DSR 9.3.1.0.0 Resolved bugs**

| Bug Number | Severity | Found in Release | Title                                                                                                            |
|------------|----------|------------------|------------------------------------------------------------------------------------------------------------------|
| 39475049   | 3        | 8.6.0.0.0        | Multiple alarms generated on IPFEs while running savelogs_plat on IPFE Servers                                   |
| 39571436   | 3        | 9.3.0.0.0        | Analyze IDIH URL issue in Diameter -> Troubleshooting with IDIH -> Maintenance -> Traces screen                  |
| 39670620   | 3        | 9.3.0.0.0        | Centralized IDIH flag modification and starting of network traces when the flag is disabled                      |
| 39359375   | 3        | 9.3.0.0.0        | Backward Compatible support/ Enhancement in DSR 9.3.1 for IDIH 9.3 and 10.x                                      |
| 39702752   | 3        | 9.2.0.0.0        | [Error Code 19004] - No available VIP address to be added to the Local Node when attempting to insert local node |
| 39558142   | 4        | 8.6.0.0.0        | Legacy TLS v1.0 and v1.1 are accepted by SDS on xDS listener port 5876 creating compliance risk                  |

## 7.2.2 vSTP

### Release 9.3.1.0.0

The following table lists the resolved bugs in vSTP 9.3.0.0.0 release.

**Table 7-2 vSTP 9.3.1.0.0 Resolved bugs**

| Bug Number | Severity | Found in Release | Title                                                                                                         |
|------------|----------|------------------|---------------------------------------------------------------------------------------------------------------|
| 39794237   | 2        | 9.0.2.0.0        | vSTP process restarts observed when WGTLS is enabled                                                          |
| 39787090   | 2        | 9.1.0.0.0        | vSTP Process Restarts observed on MNP number conditioning                                                     |
| 39147895   | 3        | 9.3.0.0.0        | DSR_Upgrade : 9.0.2.0.0 to 9.3.0.0.0 : ENUM traffic not working post upgrade                                  |
| 39552401   | 3        | 9.1.0.0.0        | TT Modification Not Working for TT-Only Changes                                                               |
| 39564667   | 3        | 9.1.0.0.0        | SSN value '0' not accepted in GUI with OPTSN                                                                  |
| 39564684   | 3        | 9.1.0.0.0        | Restriction on Reusing Point Codes Across Loopsets                                                            |
| 39224311   | 3        | 9.3.0.0.0        | MOBR: Unable to define an OPC in a different domain than the DPC in RTX MO unless an OPC alias is configured. |
| 39788704   | 3        | 9.1.0.0.0        | M2PA links not coming UP after migration from EAGLE to vSTP                                                   |
| 39762658   | 3        | 9.1.0.0.0        | Problem with Measurement for vENUM MP Performance in Release 9.1                                              |

**Table 7-2 (Cont.) vSTP 9.3.1.0.0 Resolved bugs**

| Bug Number | Severity | Found in Release | Title                                                                                      |
|------------|----------|------------------|--------------------------------------------------------------------------------------------|
| 39803206   | 3        | 9.1.0.0.0        | vSTP excess logging in fetchVstpSecuLog.sh script causing /var partition size increase     |
| 39875514   | 3        | 9.0.2.0.0        | Deletion of MRN Set with same IDs and associated with GTT Actions is not working correctly |
| 39875675   | 4        | 9.1.0.0.0        | Missing linkset filter in GttSelector and Adjustment of GTA Config parameters in vSTP GUI  |
| 39737550   | 4        | 9.1.0.0.0        | International ITU-T Point Code Display Order is non-standard                               |
| 39158599   | 4        | 9.3.0.0.0        | "Normalated" error seen on Operation Reason of M3UA links                                  |
| 39177438   | 4        | 9.0.2.0.0        | ENH: For Sfapp store the current VLR in UDR in case of ATI Timer Expiry                    |

## 7.2.3 VNFM

### Release 6.3.0.0.0

The are no resolved bugs for the release.

## 7.2.4 IDIH

### Release 9.3.1.0.0

There are no resolved bugs for the release.

## 7.2.5 ATS

### Release 9.3.1.0.0

There are no resolved bugs for the release.

## 7.2.6 UDR

### Release 14.3.0.0.0

The following table lists the resolved bugs in UDR 14.3.0.0.0 release.

**Table 7-3 UDR 14.3.0.0.0 Resolved Bugs**

| Bug Number | Severity | Found in Release | Title                                                                          |
|------------|----------|------------------|--------------------------------------------------------------------------------|
| 38915572   | 3        | 14.0.0.0.0       | Simultaneous operations returns with DbAccessError error code for DSA use case |

## 7.3 Known Bug List

The section lists the known bugs for DSR, vSTP, and VNFM along with the associated customer impact statements.

### 7.3.1 DSR

#### Release 9.3.1.0.0

The following table lists the known bugs in DSR 9.3.1.0.0 release.

**Table 7-4 Known Bugs**

| Bug Number | Severity | Found in Release | Title                                                                                          | Customer Impact                                                                                                                                                                                                                                                                                      |
|------------|----------|------------------|------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 39812333   | 2        | 9.2.0.0.0        | Error Code 500 Internal Server Error occurs while logging into Primary NOAM GUI                | GUI access issue.                                                                                                                                                                                                                                                                                    |
| 39552954   | 3        | 9.0.0.0.0        | Request for Validation of Oracle Linux 8 STIG Remediation for RMS/vDSR Environment             | In most cases, based on the initial analysis, the DSR guest is not expected to be impacted by the STIG remediation performed on the host VM. For additional details, refer to the updated engineering comments provided in the attachment to the bug.                                                |
| 39418748   | 3        | 9.2.0.0.0        | DSR 9.2.0.0.0-102.16.1   dsr process restart observed on few DA-MPs   Telus                    | Some traffic was lost while the DSR process was restarting. The root cause of the DSR restart could not be determined, as no ABTERM was generated to indicate the reason for the restart.                                                                                                            |
| 39350928   | 3        | 9.0.0.0.0        | Multiple DMPs Reporting Continuous 31000 Alarms                                                | Only alarms were there for information purpose. Script has been provided and two configuration issues has been figured out in debug session. No known impact.                                                                                                                                        |
| 39680609   | 3        | 9.1.0.0.0        | DSR 9.1: 33304 DCA Runtime Errors observed in vDEA                                             | The customer reported some alarms in the DSA application. Some of those are related to missing configurations, but while analyzing the logs, it was identified that some improvements are needed in the DSA Perl logic.                                                                              |
| 39554512   | 3        | 9.2.0.0.0        | Production MDS Data Flow check                                                                 | The customer has configured multiple metrics to be streamed from Kafka. It is recommended to limit the configuration to 40 metrics. The documentation will be updated with this limitation, and code changes will be added in DSR 9.3.1 to limit the number of metrics that can be configured to 40. |
| 39633017   | 3        | 9.2.0.0.0        | After upgrade to 9.2.0.0.0-102.16.1 observing Idih Producer Queue Congested frequently for MPs | The customer is seeing the expected IDIH Producer Queue Congested and MPCpuCongested alarms when there is a CPU spike.                                                                                                                                                                               |

Table 7-4 (Cont.) Known Bugs

| Bug Number | Severity | Found in Release | Title                                                                                             | Customer Impact                                                                                                                                                                                                                                                                          |
|------------|----------|------------------|---------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 39440354   | 3        | 9.0.0.0.0        | Primary path is down for CFX peer                                                                 | The CFX peer connections were down.<br>The CFX peer was sending an abort in response to packets originating from the secondary source of DSR to the primary address of the CFX peer.<br>The CFX peer was expecting the primary source of DSR to send the packet to the primary CFX peer. |
| 39576485   | 3        | 9.2.0.0.0        | Server goes into grub rescue and fails to boot during upgrade                                     | The issue is on TPD.<br>During the upgrade from DSR 9.0.2 to 9.2, the affected servers may enter GRUB rescue mode and fail to boot, potentially disrupting traffic until manual recovery is performed.<br>The issue may recur after a reboot, even after applying the workaround.        |
| 39444393   | 3        | 9.0.0.0.0        | Getting UDR Internal Error: Update record failed after Activation of Stateful DSA for DSR 9.0.2.1 | The customer is getting the DCA to UDR ComAgent error alarm, due to which vulnerable messages are generated.<br>Asked the customer for the connectivity details between the DSR and UDR.                                                                                                 |
| 39832646   | 3        | 9.0.0.0.0        | DSR Migration 8.6 to 9.0 Traversing Platforms Causes NetworkRoutes To Be Untethered               | Network route addition failure                                                                                                                                                                                                                                                           |
| 39776800   | 3        | 9.1.0.0.0        | CSV files are removing hourly from SOAM export path                                               | CSV files getting cleaned up.                                                                                                                                                                                                                                                            |
| 39747736   | 3        | 8.6.0.0.0        | Investigation of stale SBR Session records associated with Old PCRF in SBR Session Server in RJIO | Old sessions are not being cleaned up as the release RAR queue is full.                                                                                                                                                                                                                  |
| 39837637   | 3        | 9.0.0.0.0        | Midwest 5G Core DRA Design and Configuration                                                      | Design related queries.                                                                                                                                                                                                                                                                  |
| 39750223   | 3        | 9.0.0.0.0        | NOAM errors during DSR DSCP Rules Implementation                                                  | Error while adding DSCP rules.                                                                                                                                                                                                                                                           |
| 39818167   | 3        | 8.6.0.0.0        | DSR Server-Grouped Scoped Routes Don't Deploy to One Member Server                                | Route deployment issue on MP                                                                                                                                                                                                                                                             |
| 39791064   | 3        | 9.2.0.0.0        | Alarm history Export task hangs when filtered with severity equal Info or event id equal 22008    | Certain alarms are not getting exported.                                                                                                                                                                                                                                                 |
| 39764413   | 3        | 9.2.0.0.0        | Topology Hiding : Message From Untrusted MME to Protected HSS, HSS Name Not Restored              | Routing related queries.                                                                                                                                                                                                                                                                 |
| 39829089   | 4        | 9.0.0.0.0        | Site Accept upgrade Stuck Due to tpdProvd Running as Root                                         | Upgrade acceptance alarm remain in server.                                                                                                                                                                                                                                               |
| 39544823   | 4        | 9.1.0.0.0        | OCC    Exporting DSA provisioning table misses Realm_List and CSV upload fails with error 50031   | Applied WA waiting for customer feedback.                                                                                                                                                                                                                                                |

## 7.3.2 vSTP

### Release 9.3.1.0.0

The following table lists the known bugs in vSTP 9.3.1.0.0 release.

**Table 7-5 Known Bugs**

| Bug Number | Severity | Found in Release | Title                                                                                                          | Customer Impact                                                                                                                                                                                                                                                                                                                                        |
|------------|----------|------------------|----------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 39922082   | 3        | 9.3.1.0.0        | Upgrade & Backout issues from 9.2.0.0.0_102.16.0 to R9.3.1                                                     | Issues might be seen during the upgrade from 9.2 to 9.3.1 vSTP. The workaround is to reboot the VMs. It is also recommended to upgrade all vSTP MPs in batches within a small window of time to avoid these issues.                                                                                                                                    |
| 35813705   | 3        | 9.0.0.0.0        | Rel 9.0.1: ENUM/DNS - NS records gets failed to add in zones after adding/ rebuilding enum mp to server group. | NS records may be missing from zones after an ENUM MP add or rebuild, causing DNS record alarms and possible zone inconsistency.<br><br>Workaround: Delete and re-add the NS record with the same data to clear the alarm and ensure the record is added successfully. Alternatively, disable VENUM, delete the master file, and then re-enable VENUM. |

## 7.3.3 VNFM

### Release 6.3.1.0.0

There are no known bugs for the release.

## 7.3.4 IDIH

### Release 9.3.1.0.0

There are no known bugs for the release.

## 7.3.5 ATS

### Release 9.3.1.0.0

The following table lists the known bugs in ATS 9.3.1.0.0 release.

**Table 7-6 Known Bugs**

| Bug Number | Severity | Found in Release | Title                                                                                 | Customer Impact                                        |
|------------|----------|------------------|---------------------------------------------------------------------------------------|--------------------------------------------------------|
| 39909236   | 3        | 9.3.1.0.0.0      | Update required in MDS ATS suite corresponding to the changes in fix for Bug 39840798 | Non vulnerable DSA scenarios will be reported as fail. |

Table 7-6 (Cont.) Known Bugs

| Bug Number | Severity | Found in Release | Title                                | Customer Impact                                                                                                             |
|------------|----------|------------------|--------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| 39910131   | 3        | 9.3.1.0.0.0      | CVE-2026-13346 on PIP version 26.1.2 | It is security vulnerability issue in PIP. In ATS, there is no requirement to download any package. PIP can be uninstalled. |

## 7.3.6 UDR

### Release 14.3.0.0.0

There are no known bugs for this release.