

# Oracle® Communications Diameter Signaling Router

## Release Notes



Release 9.0.1.0.0

F88175-08

September 2024

ORACLE®

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# What's New in this Guide

This section introduces the documentation updates made in *Oracle Communications Diameter Signaling Router (DSR) Release Notes*.

## **Release 9.0.1.0.0 - F88175-08, September 2024**

Updated the media pack details for the Oracle Communications Diameter Signaling Router User Data Repository in the [Media Pack](#) section.

## **Release 9.0.1.0.0 - F88175-07, May 2024**

Added new part numbers for Oracle Communications Diameter Signaling Router and DSR Full Address Resolution in the [Media Pack](#) section.

## **Release 9.0.1.0.0 - F88175-06, April 2024**

The part number for DSR OVA and DSR Full Address Resolution is updated in the [Media Pack](#) section.

## **Release 9.0.1.0.0 - F88175-05, March 2024**

In [Media Pack](#) section, removed the following part numbers:

- V1038417-01 - Oracle Communications Diameter Signaling Router 9.0.1.0.0-98.15.0 DIU Upgrade Scripts
- V1038418-01 - Oracle Communications Diameter Signaling Router 9.0.1.0.0-98.15.0 DUI Upgrade Checksums
- V1038107-01 - Tekelec Platform Distribution 8.0.0.0.0-90.13.0 OL7 DIU ISO

In [Media Pack](#) section, added the following part numbers:

- V1041191-01 - Oracle Communications Diameter Signaling Router 9.0.1.0.0-98.15.0 DIU Upgrade Scripts
- V1041192-01 - Oracle Communications Diameter Signaling Router 9.0.1.0.1-98.16.0 DUI Upgrade Checksums
- V1041207-01 - Tekelec Platform Distribution 8.0.0.0.1-90.13.0 OL7 DIU ISO

## **Release 9.0.1.0.0 - F88175-04, March 2024**

[Supported Upgrade and Migration Paths](#): Updated the supported upgrade paths for IDIH.

[Resolved Bug List](#): Added DSR 9.0.1.0.0 resolved bugs.

## **Release 9.0.1.0.0 - F88175-03, February 2024**

The following sections have been updated in this release:

- [Media Pack](#): Updated the Media Pack.
- [Load Lineup](#): Updated the Load Lineup.
- [Resolved Bug List](#): Added DSR 9.0.1.0.0 resolved bugs.

## **Release 9.0.1.0.0 - F88175-02, January 2024**

Added information on Enhanced Virtual Machine Profile feature in [DSR](#) section.

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### **Release 9.0.1.0.0 - F88175-01, October 2023**

The following sections have been updated in this release:

- [Media Pack](#): Updated the Media Pack.
- [Load Lineup](#): Updated the Load Lineup.
- [Supported Upgrade and Migration Paths](#): Updated the supported upgrade paths.
- [Resolved Bug List](#): Added DSR and VNFM resolved bugs.

# 1

## Introduction

This *Oracle Communications Diameter Signaling Router Release Notes* includes the following:

- Feature descriptions
- Information on supported hardware baseline
- Media and documentation pack
- Supported upgrade paths for this release
- Resolved and known bugs for this release

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

### 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:

- Oracle is not responsible for installation, operation, maintenance, and so on, of any non-Oracle distributed software with Oracle products, for example, DSR, PCRF, UDR, PIC, EAGLE, and so on.
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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 6.0 U2
- KVM QEMU 1.5.3, libvirt 1.2.8, and API QEMU 1.2.8
- OpenStack Train



### Note:

BareMetal 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 provides a summary of features released in DSR release 9.0.1.0.0.

### 3.1 Release 9.0.1.0.0

This section summarizes all the new and enhanced features in DSR, vSTP, and VNFM.

#### 3.1.1 DSR

The following DSR features are implemented in release 9.0.1.0.0:

- **DSA Low Layer Filtering:** The Destination\_Host\_Destination\_Realm\_Format check (DhDrFrmChk) counter measure is added, which screens the ingress diameter request message for occurrence of Destination Host and Destination Realm AVPs in an incoming request and answer message.  
For more information, see *Oracle Communications Diameter Security Application User Guide with UDR*.
- **Exception:** This feature is enhanced to handle more number of scenarios.  
For more information, see *Oracle Communications Diameter Security Application User Guide with UDR*.
- **Dual Image Upgrade (DIU):** This feature allows upgrade from release 8.6.x VM to DSR 9.0.1 VM or above release using Ansible.  
For more information, see *Oracle Communications DSR Cloud Software Upgrade Guide*.
- **Enhanced Virtual Machine Profile:** This feature supports configuration of Diameter Agent Message Processors (DA-MP) virtual machines profile to have 24 vCPU. This increase of VM profile results in increased capacity of each DA-MP VM.  
For more information, see *Oracle Communications DSR Cloud Benchmarking Guide*.

#### 3.1.2 vSTP

No new features or feature enhancements have been introduced in this release.

#### 3.1.3 VNFM

No new features or feature enhancements have been introduced in this 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 9.0.1.0.0

**Table 4-1 Media Pack Contents for DSR 9.0.1.0.0**

| Part Number | Description                                                                                        |
|-------------|----------------------------------------------------------------------------------------------------|
| V1042742-01 | Oracle Communications Diameter Signaling Router 9.0.1.0.1-98.16.0 QCOW2                            |
| V1042743-01 | Oracle Communications Diameter Signaling Router, Full Address Resolution 9.0.1.0.1-98.16.0 QCOW2   |
| V1041898-01 | Oracle Communications Diameter Signaling Router 9.0.1.0.1-98.16.0 OVA                              |
| V1041000-01 | Oracle Communications Diameter Signaling Router 9.0.1.0.1-98.16.0 DIU ISO                          |
| V1041899-01 | Oracle Communications Diameter Signaling Router, Full Address Resolution 9.0.1.0.1-98.16.0 OVA     |
| V1041013-01 | Oracle Communications Diameter Signaling Router, Full Address Resolution 9.0.1.0.1-98.16.0 DIU ISO |
| V1041003-01 | Oracle Communications Diameter Signaling Router Diameter Security Application 9.0.1.0.1-98.16.0    |
| V1041004-01 | Oracle Communications Diameter Signaling Router Steering Of Roaming Application 9.0.1.0.1-98.16.0  |
| V1041005-01 | Oracle Communications Diameter Signaling Router Zero Balance Application 9.0.1.0.1-98.16.0         |
| V1041006-01 | Oracle Communications Diameter Signaling Router Rx ShUDR Application 9.0.1.0.1-98.16.0             |
| V1041191-01 | Oracle Communications Diameter Signaling Router 9.0.1.0.1-98.16.0 DIU Upgrade Scripts              |
| V1041192-01 | Oracle Communications Diameter Signaling Router 9.0.1.0.1-98.16.0 DIU Upgrade Checksums            |

**Table 4-1 (Cont.) Media Pack Contents for DSR 9.0.1.0.0**

| Part Number | Description                                                                                                  |
|-------------|--------------------------------------------------------------------------------------------------------------|
| V1038419-01 | Oracle Communications Diameter Signaling Router 9.0.1.0.0-98.15.0 MIBs                                       |
| V1041207-01 | Tekelec Platform Distribution 8.0.0.0.1-90.13.0 OL7 DIU ISO                                                  |
| V1038457-01 | Oracle Communications Diameter Signaling Router Automated Test Suite (ATS) 9.0.1.0.0-1.0.26                  |
| V1038458-01 | Oracle Communications Diameter Signaling Router Virtual Network Functions Manager 6.0.1.0.0-60.8.1 QCOW2     |
| V1038472-01 | Oracle Communications Diameter Signaling Router Virtual Network Functions Manager Artifacts 6.0.1.0.0-60.8.1 |
| V1038073-01 | Oracle Communications Diameter Signaling Router User Data Repository 14.0.1.0.0-114.17.0 DIU ISO             |
| V1045111-01 | Oracle Communications Diameter Signaling Router User Data Repository 14.0.1.0.1-114.17.1 OVA                 |

## 4.2 Load Lineup

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

### 4.2.1 DSR Release 9.0.1.0.0

DSR Release 9.0.1.0.0 contains the following components:

- Application Lineup
  - DSR: 9.0.1.0.1-98.16.0
  - SDS: 9.0.1.0.1-98.16.0



#### Note:

SDS 9.0.1.0.1 and 9.0.1.0.0 is backward compatible with old SDS release supported SOAP messages.

- VNFM: VNFM\_6.0.1.0.0\_60.8.1
- ATS: 9.0.1.0.0-1.0.26
- UDR: 14.0.1.0.0-114.17.0
- Platform Lineup
  - TPD: 8.6.0.2.0-110.14.0
  - gSOAP: 2.8.129
  - Comcol: 8.0.0.23.0-14176
  - Appw: 9.8.0-98.14.0
  - Exgs: 9.8.0-98.14.0

## 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                                                       |
| IDIH Alarm Forwarding Administrator's Guide                           |
| IDIH Audit Viewer Administrator's Guide                               |
| IDIH Operations, Administration and Maintenance Administrator's Guide |

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

|                                       |
|---------------------------------------|
| IDIH ProTrace User Guide              |
| IDIH Log Viewer Administrator's Guide |

# 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 9.0.1.0.0 are listed in the following table:

| Component | From                                                                             | To        |
|-----------|----------------------------------------------------------------------------------|-----------|
| DSR       | 8.6.0.0.0, 8.6.0.1.0, 8.6.0.2.0,<br>8.6.0.3.0, 8.6.0.4.0, 8.6.0.5.0<br>9.0.0.0.0 | 9.0.1.0.0 |
| SDS       | 8.6.0.0.0, 8.6.0.1.0, 8.6.0.2.0,<br>8.6.0.3.0, 8.6.0.4.0, 8.6.0.5.0<br>9.0.0.0.0 | 9.0.1.0.0 |
| IDIH      | 8.2.1, 8.2.2, 8.2.3.2                                                            | 8.2.3.3   |
| vSTP      | 8.6.0.0.0, 8.6.0.1.0, 8.6.0.2.0,<br>8.6.0.3.0, 8.6.0.4.0, 8.6.0.5.0<br>9.0.0.0.0 | 9.0.1.0.0 |



### Note:

- Any upgrade other than those listed above is not recommended or supported. Version 9.0.X.0.0 is supported as a new or fresh installation.
- VEDSR is not supported from DSR Release 8.3 onwards.
- Diameter Security Application (DSA) with Universal-SBR (USBR) application is not supported from DSR Release 8.4.0.5.0. Customers using this application must not upgrade DSR software to DSR 8.4.0.5.0 release and must migrate to DSA with UDR based application.
- Zero Balance Application with USBR and Steering of Roaming (SOR) with USBR are not supported from DSR Release 8.4.0.5.0 and later. Customers using these applications must not upgrade the DSR software to DSR 8.4.0.5.0 or a later release and must migrate to ZBA with UDR and SOR with UDR based applications.

The possible migration paths from DSR BareMetal to DSR 9.0.1.0.0 are listed in the following table:

| Component | From                                                                | To        |
|-----------|---------------------------------------------------------------------|-----------|
| DSR       | 8.6.0.0.0, 8.6.0.1.0, 8.6.0.2.0,<br>8.6.0.3.0, 8.6.0.4.0, 8.6.0.5.0 | 9.0.1.0.0 |
| SDS       | 8.6.0.0.0, 8.6.0.1.0, 8.6.0.2.0,<br>8.6.0.3.0, 8.6.0.4.0, 8.6.0.5.0 | 9.0.1.0.0 |

| Component | From                                                                | To        |
|-----------|---------------------------------------------------------------------|-----------|
| vSTP      | 8.6.0.0.0, 8.6.0.1.0, 8.6.0.2.0,<br>8.6.0.3.0, 8.6.0.4.0, 8.6.0.5.0 | 9.0.1.0.0 |

**Note:**

For further information on migration, refer to *DSR BareMetal to Cloud Migration Guide* and *SDS BareMetal to Cloud Migration Guide*.

# 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 9.0.1.0.1

The following table lists the resolved bugs in DSR 9.0.1.0.1 release.

**Table 7-1 DSR 9.0.1.0.1 Resolved bugs**

| Bug Number | Severity | Found in Release | Title                                                                                  |
|------------|----------|------------------|----------------------------------------------------------------------------------------|
| 36074297   | 2        | 9.0.1.0.0        | Slow response of SOAM GUI                                                              |
| 36143239   | 3        | 9.0.1.0.0        | Unexpected behavior of DSA when configured Peer Node's name is more than 15 characters |
| 36154259   | 3        | 9.0.1.0.0        | SCTP Multi-homing behaviour is not working                                             |
| 35959044   | 3        | 9.0.1.0.0        | Duplicate Alarms observed from both Active and Standby SOAM to NMS system              |
| 36203464   | 3        | 9.0.1.0.0        | Timezone retrieval issue after upgrade                                                 |
| 36001873   | 4        | 9.0.1.0.0        | Connection unavailable alarm is not raising for IPFE connections                       |

#### Release 9.0.1.0.0

The following table lists the resolved bugs in DSR 9.0.1.0.0 release.

**Table 7-2 DSR 9.0.1.0.0 Resolved bugs**

| Bug Number | Severity | Found in Release | Title                                                             |
|------------|----------|------------------|-------------------------------------------------------------------|
| 36343511   | 3        | 9.0              | Host OS and KVM version needs to be updated for DSR 9.x documents |
| 35559679   | 3        | 9.0              | DSA low layer filtering feature changes                           |
| 35574248   | 3        | 8.5.0.2.1        | Invalid Framed-Ipv6-Prefix Error during Radius Call               |

**Table 7-2 (Cont.) DSR 9.0.1.0.0 Resolved bugs**

| Bug Number | Severity | Found in Release | Title                                                                                                                                         |
|------------|----------|------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 35699416   | 3        | 9.0              | Mediation - Rule template screen gets blank whenever they tried to add custom AVP                                                             |
| 35684946   | 3        | 8.6.0.5.0        | DSR8.6.0.5:core core.httpd formed in initial installation Partner Visible                                                                     |
| 35826484   | 3        | 9.0              | DCA:DSA option is unavailable in measurement report                                                                                           |
| 35867245   | 3        | 9.0              | Mismatch of the vulnerability validation condition in DSA Userguide and DSA FD of Application-ID Whitelist Screening (AppIdWL) countermeasure |
| 35625042   | 4        | 9.0              | DSR Signaling FW malfunctions on IPFE with multiple TSA configured                                                                            |
| 35625042   | 4        | 8.6              | Update DSR Security Guide for tpdProv password reset                                                                                          |

## 7.2.2 vSTP

### Release 9.0.1.0.0

**Table 7-3 vSTP Release 9.0.1.0.0 Resolved Bugs**

| Bug Number | Severity | Found in Release | Title                                                           |
|------------|----------|------------------|-----------------------------------------------------------------|
| 35706581   | 3        | 8.6              | EIR service is not working when message is rt on gt             |
| 35616149   | 3        | 8.6              | vSTP GUI: Issue with import for HSL links in interface mappings |
| 35248609   | 3        | 9.0              | PDU Pool exhausted on eLynx setup                               |

## 7.2.3 VNFM

The following table lists the resolved bugs in VNFM 6.0.1.0.0 release.

**Table 7-4 VNFM Release 6.0.1.0.0 Resolved Bugs**

| Bug Number | Severity | Found in Release | Title                                                                                                        |
|------------|----------|------------------|--------------------------------------------------------------------------------------------------------------|
| 35874844   | 2        | 9.0              | DSR Signaling Cloud-Init Failed to connect to Signaling VIP instance                                         |
| 35854237   | 3        | 9.0              | Network Not Configured correctly when VNFM is ipv4 & VIM is ipv6                                             |
| 35814357   | 3        | 9.0              | SBR Scale Issue - Newly spawned SBRs are not added to any Server Group                                       |
| 35472050   | 3        | 9.0              | Graceful termination failure for DSR Signaling and SDS Signaling (9.0.1.0.0_98.3.0) on VNFM_6.0.1.0.0_60.3.0 |

Table 7-4 (Cont.) VNFM Release 6.0.1.0.0 Resolved Bugs

| Bug Number | Severity | Found in Release | Title                                                                                       |
|------------|----------|------------------|---------------------------------------------------------------------------------------------|
| 35594972   | 4        | 6.0              | "numServiceMp" parameter not mentioned in VNFM 6.0.0 usage instructions page.               |
| 35754632   | 4        | 9.0              | VNFM : 6.0.1-60.5.2 : Only one Server group is creating for SBR in Diameter+sbr large setup |
| 35788901   | 4        | 6.0              | Response 400 if "vnflInstanceDescription" parameter (optional) left empty                   |

## 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 9.0.1.0.0

There are no known bugs for this release.

### 7.3.2 vSTP

#### Release 9.0.1.0.0

Table 7-5 vSTP 9.0.1.0.0 Known Bugs

| Bug Number | Severity | Found in Release | Title                                                                    | Customer Impact                                                                                      |
|------------|----------|------------------|--------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------|
| 35846227   | 3        | 9.0              | vSTP GUI: Issue in Edit operation using GUI for GttActions MO after DIU. | GUI screen for Insert freezes in some scenarios.<br><b>Workaround:</b> Use MMI for Insert operation. |

### 7.3.3 VNFM Known Bugs

#### Release 6.0.1.0.0

There are no known bugs for this release.