Oracle® Communications Diameter Signaling Router Release Notes



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ORACLE

Oracle Communications Diameter Signaling Router Release Notes, Release 9.0.0.0.0

F79790-03

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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.

My Oracle Support is available 24 hours a day, 7 days a week, 365 days a year.



What's New in this Guide

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

Release 9.0.0.0.0 - F79790-03, July 2023

- Virtual Platforms Supported: Added a note on baremetal not being supported from DSR 9.0.0.0.0.
- Deprecated Software and Features: Added a note on baremetal not being supported from DSR 9.0.0.0.0.

Release 9.0.0.0.0 - F79790-02, April 2023

 Media Pack: Updated Media Pack part numbers for ATS, UDR and added new part numbers for VNFM.

Release 9.0.0.0.0 - F79790-01, April 2023

- Media Pack: Updated the Media Pack.
- Load Lineup: Updated the Load Lineup.
- Resolved Bug List: Added DSR and VNFM resolved bugs.
- Removed the following sections from this release:
 - Supported Hardware Baseline
 - Oracle Hardware
 - HP Hardware
- Added a note on DSR 9.0.0.0 supporting only fresh installation in the Supported Upgrade Paths.



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.
- Additional due diligence, including testing, is recommended to be performed in the lab before deploying non-Oracle software on production sites to avoid potential issues.
- 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 9.0.0.0.0.

3.1 Release 9.0.0.0.0

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

3.1.1 DSR

The following DSR feature is implemented in release 9.0.0.0.0:

- DSA Low Layer Filtering: The following three countermeasures are added as part of this feature:
 - AVP Whitelist Screening (AVPWLScr): This countermeasure screens the ingress diameter request or answer message for whitelist AVP(s) screening.
 - Origin Host and Origin Realm Format Check (OhOrFrmChk): This countermeasure screens the ingress diameter request or answer message for occurrence of Origin Host and Origin Realm AVPs in incoming Request and answer message.
 - Session Id Validation Check (SesIdValChk): This countermeasure screens the ingress diameter request or answer message for Session Id AVP as first AVP in diameter message.

For more information, see Diameter Security Application User Guide with UDR.

3.1.2 vSTP

The following vSTP features are implemented in Release 9.0.0.0.0:

vSTP Multiple GTTSET tables for different ITU domains
 This enhancement allows user to configure a GTT Set of ITU domain that can be
 associated with multiple GTT Selectors of different ITU domains, such as ITUN, ITUI,
 ITUN_S, and ITUI_S. This feature simplifies the configuration of GTT Sets with multiple
 GTT Selectors and provides ease of configuration.

For more information, see Oracle Communications Diameter Signaling Router Virtual Signaling Transfer Point User Guide.

- **vSTP SCTP associations configuration enhancements** This feature provides the following enhancements to SCTP connections configuration:
 - Same Local Host can now be associated with Client and Server mode connections simultaneously.
 - It is now possible to configure Remote Host and Local Host for Connections with same port and swapped Primary and Secondary IPs.
 - It is now allowed to create two entries of Local Host/Remote Host, one of Unihoming and another of Multihoming, sharing same Port and Primary IP.



 This enhancement allows to create connection between Local host with Primary and Secondary address and Remote Host only with primary address and vice versa.

For more information, see Oracle Communications Diameter Signaling Router Virtual Signaling Transfer Point User Guide.

• vSTP MBR (Map based Routing) enhancement This enhancement adds the support of SendRoutingInfoForSM message (Opcode 45) in the MBR feature. MSISDN parameter in SRIforSM message is supported for Map based routing.

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 9.0.0.0.0

Part Number	Description
V1034440-01	Oracle Communications Diameter Signaling Router 9.0.0.0.0-97.16.0 MIBs
V1034431-01	Oracle Communications Diameter Signaling Router 9.0.0.0.0-97.16.0 OVA
V1034434-01	Oracle Communications Diameter Signaling Router Diameter Security Application 9.0.0.0.97.16.0
V1034437-01	Oracle Communications Diameter Signaling Router Rx ShUDR Application 9.0.0.0.97.16.0
V1034435-01	Oracle Communications Diameter Signaling Router Steering Of Roaming Application 9.0.0.0-97.16.0
V1034436-01	Oracle Communications Diameter Signaling Router Zero Balance Application 9.0.0.0.97.16.0
V1034433-01	Oracle Communications Diameter Signaling Router, Full Address Resolution 9.0.0.0.97.16.0 OVA
V1034587-01	Oracle Communications Diameter Signaling Router Automated Test Suite (ATS) 9.0.0.0.0-1.0.12
V1034588-01	Oracle Communications Diameter Signaling Router User Data Repository 14.0.0.0-114.8.0 OVA
V1034590-01	Oracle Communications Diameter Signaling Router Virtual Network Functions Manager 6.0.0.0.0-60.7.0 QCOW2
V1034597-01	Oracle Communications Diameter Signaling Router Virtual Network Functions Manager Artifacts 6.0.0.0.0-60.7.0

Table 4-1 Media Pack Contents for DSR 9.0.0.0.0



4.2 Load Lineup

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

4.2.1 DSR Release 9.0.0.0.0

DSR Release 9.0.0.0.0 contains the following components:

- Application Lineup
 - DSR: 9.0.0.0_97.16.0
 - SDS: 9.0.0.0.0_97.16.0

Note:

SDS 9.0.0.0.0 is backward compatible with old SDS release supported SOAP messages.

- VNFM: VNFM_6.0.0.0_60.7.0
- ATS: 9.0.0.0.0-1.0.10
- Platform Lineup
 - TPD: 8.6.0.0.0-110.7.0
 - gSOAP: 2.8.123-7.8.4.0.0
 - Comcol: 8.0.0.18.0-14174
 - Appw: 9.7.0-97.19.0
 - Exgs: 9.7.0-97.19.0

4.3 Documentation Pack

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

Table 4-2 Documentation Pack Contents

Release Notes and Licensing Information User Manuals Document Set			
Release Notes			
Licensing Information User Manual			
DSR Planning, Installation, Upgrade, and Disaster Recovery Document Set			
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
Cloud Installation and Upgrade Document Set
DSR Cloud Installation 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
Diameter Signaling Router Core Document Set
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
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
wobile wumber Portability (WINP) USEF GUIDE

 Table 4-2
 (Cont.) Documentation Pack Contents

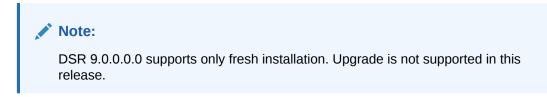


TIF User Guide
Alarms and KPIs Reference
Measurements Reference
Glossary
Related Publications Reference
Subscriber Data Server Document Set
SDS Getting Started
SDS User Guide
SDS Provisioning Interface Guide
UDR Installation, Upgrade, and Disaster Recovery Document Set
UDR Cloud Installation and Configuration 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
Integrated Diameter Intelligence Hub (IDIH) Document Set
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
IDIH ProTrace User Guide
IDIH Log Viewer Administrator's Guide

 Table 4-2
 (Cont.) Documentation Pack Contents

5 Supported Upgrade Paths

This chapter contains the exact paths for the upgrade.





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.

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.



7 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:

- 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.
- 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 9.0.0.0.0

The following table lists the resolved bugs in DSR 9.0.0.0.0 release.

Bug Number	Severity	Found in Release	Title
35140336	2	9.0.0.0.0 97.13.0	DSR process is getting crashed when setting the "VM:35K_MPS" DA-MP profile in 'Profile Assignments' table
34790072	3	8.5.0.1.0 91.17.0	Not able to add IP address in local node if local node is used in a disabled connection
35004363	3	8.6	DCA Exception feature countermeasure changes in 8.6.0.4
34944189	4	9.0.0.0.0-97.10.0	Host-ip-address Avp is missing in CEA Error Response
34333660	4	8.3	Realm_imsi_consistancy check not working for exceptional case
33758816	4	8.6	DSD 1375 fix for Orig-Host Orig Realm value

Table 7-1DSR 9.0.0.0.0 Resolved bugs

7.2.2 vSTP

Release 9.0.0.0.0

There are no resolved bugs for vSTP 9.0.0.0.0 release.



7.2.3 VNFM

The following table lists the resolved bugs in VNFM 6.0.0.0 release.

Found in Release **Bug Number** Severity Title VNFM-6.0 - VNFM Replication Routes 35221806 3 are not getting added 3 35216237 Scale Operation failing on a Stack which has been discovered using "Discover a VNF" API 34835812 3 Getting wrong subnet error while deploying IDIH -8.2.3 on VNFM 6.0 3 VNFM - 6.0 - VNFM DSR and SDS 35205234 Template Changes to fix IPv6 Route Issue 35239412 3 VNFM - DSR Signaling cloud init failure due to root user login disable 4 VNFM Uplift from OL7 to OL8 33750684 4 35254589 VNFM to support SNMP V3 for system alerts using Prometheus

Table 7-2 VNFM Release 6.0.0.0.0 Resolved Bugs

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 9.0.0.0.0

There are no DSR known bugs for DSR 9.0.0.0.0 release.

Release 8.6.0.4.0

There are no DSR known bugs for DSR 8.6.0.4.0 release.

Release 8.6.0.3.0

There are no DSR known bugs for DSR 8.6.0.3.0 release.

Release 8.6.0.2.0

The following table lists the DSR known bugs along with the customer impact statements for DSR 8.6.0.2.0 release.



Bug Number	Severity	Found in Release	Title	Customer Impact
32911957	3	8.5	IPv6: [Multi- Homing]: Traffic is not auto- shifted to primary XSI IP and connection went down if secondary IP is bring down via 'ifdown' command	This issue is specific to the scenario when the eth interface on the VM shuts down using "ifdown" command. Other scenarios of multihoming switching are working fine. Workaround : None
28134563	3	8.3	Auto Site Upgrade failure is not cleaned up automatically, resulting in reupgrade attempt	If during Automated Site Upgrade, the upgrade on a server fails due to an issue like NTP failure or greater than 70% /var usage, the customer may observe a message. Site already has an automated site upgrade in progress, stating upon trying to restart the upgrade. Workaround: Cancel the Site Upgrade task from Main Menu: Status & Manage , and then Tasks , and then Tasks , and then Active Task screen. Then, restart the upgrade.

Table 7-3 DSR 8.6.0.2.0 Known Bugs

Bug Number	Severity	Found in Release	Title	Customer Impact
28353971	3 8.3	8.3	OCSG does not validate special characters in ScsAsId delimiter	If customers enter special characters in SCSASID_APN_ Suffix_Delimiter in the OCSG console, the URL is rendered incorrectly.
				Workaround: APIGW user document will describe the constraint on the delimiter configuration parameter.
26939388	3	8.2	SDS Upgrade: NOAM Servers shall not switchover while auditing is in progress	None, if the documented workaround is followed. Workaround: NOAM upgrades are manual upgrades, and the documented procedure instructs the operator to look for the audit clearance alarm.
26969222	3	8.2	EVENT_NUMBE R: 31000 GN_INTERN/WR N Upload failed [FileUploader.cxx :123] post 8.2	Minimal impact is the problem that occurs. The alarm may cycle a few times and then clear after the system retries file transfer. This has only been observed in one test system and did not have a long-term impact on the system.

Table 7-3 (Cont.) DSR 8.6.0.2.0 Known Bugs



Bug Number	Severity	Found in Release	Title	Customer Impact
27087175	3	8.2	Device Deployment Failed alarms on IPFEs while upgrading from 7.1.1 to 8.2	In the unlikely event that the TPD provd serve is down, and we happen to have a device edit pending, the edit will be blocked and an alarm is raised. (Bug title reflects an instance where this has happened once in the test cycle.) Workaround : Perform a trivial edit to the device this will retry the edit operation with tpdprovd.
26243446	3	8.1	Information showing as green even though HostName is incorrect	No functional impact. Error text is displayed with a green background.
26290407	3	8.1	8.1 Maj Upg NOAM "10134 Server upgrade operation failed", but upgrade succeeded	There will be a false alarm, but the upgrade will still be in progress. Upgrade progress can be verified from the Upgrade Screen. Moreover, Upgrade logs can be verified to see the progress of the upgrade.
24796935	3	8	[AW:oampAgent] "DB Late Write Nonactive" alarm by NO during Act->Stby transition	No operational impact. Alarm may be triggerred when switchover of NOAM occurs Workaround : None

Table 7-3 (Cont.) DSR 8.6.0.2.0 Known Bugs



Bug Number	Severity	Found in Release	Title	Customer Impact
25505595	3	8	DSR 8.0:ST: InstallOS op on guests using PMAC failed with reason as internal err	No impact to traffic. Filesystem full could prevent normal operations such upgrades or addition of new servers. The filesystem full condition was a result of an ISO being copied into an incorrect location (home/ admusr). Workaround: Delete extra files
				that have been incorrectly copied to /home/ admusr. This will clear the alarm and allow normal operation.
25575141	3	8	[PDRA:Recon] Disabling PDRA during USBR Recon fails with Error code 21648	Users will not be able to disable PDRA function while running a reconfiguration plan for a USBR database. Users can disable function after all reconfiguration plans have been completed.

Table 7-3 (Cont.) DSR 8.6.0.2.0 Known Bugs

Bug Number	Severity	Found in Release	Title	Customer Impact
25637633	3	8	Unknown column 'ROLE' in 'where clause'	Minimal impact as filter is not typically used for System OAM during upgrades. User will receive error "Unknown column 'ROLE' in 'where clause'", when filtering on Server Role "System OAM" through the Main Menu: Administration > Software Management > Upgrade screen. Workaround : Users can navigate to the desired System OAM tab to get the data.
25651803	3	8	[PCA:CACD] Alarm for Degraded ComAgent Conns when USBRs removed from Session RD	No functional impact. Alarm is raised for servers that do not belong to the active Session SBR Database. Workaround : To clear the alarm, restart the SBR servers on which the alarm is raised. CAUTION: If any DCA application is actively sending data to these SBR servers, this workaround is NOT recommended as it may cause traffic loss.

Table 7-3 (Cont.) DSR 8.6.0.2.0 Known Bugs



Bug Number	Severity	Found in Release	Title	Customer Impact
25656089	3	8	DSR8.0:ST: ISO deployment got stuck for the site when servers got restarted	During preparation for upgrade activity, if the user reboots a server while an ISO transfer is taking place, the transfer will be stopped and will not restart until a manual workaround is performed. Workaround :
				Contact My Oracle Support for assistance.
25719122	3	8	[PDRA:ApplRest art] psbr abterm can occur during controlled shutdown/restart	No service/traffic impact. An abterm may be generated during the process restart through GUI (Status&Manage > Server).

Table 7-3 (Cont.) DSR 8.6.0.2.0 Known Bugs



Bug Number	Severity	Found in Release	Title	Customer Impact
25730821	3	8	[ISBR:HaRes] SBRs may fail to de-register COMCOL Resources when removed from RDs	No impact to traffic since this issue was observed on a decommissioned server group that is not a part of resizing plan. Also, there should be no operational impact as MOP source documentation has been updated to the required cleanup of decommissioned Servers and Server Groups. Workaround : If there are any Servers and Server Groups which are no longer being used after the completion of a Resizing plan, then the user should delete them.
23421644	4	8	[AW]Log In button not centered in the box at the Login Screen in Firefox browser	No operational impact. Cosmetic issue only.
24377541	4	8	[Network Insert Screen]: VLAN ID field should not be mandatory	In the Main Menu > Networking > Networks [Insert] screen, users will need to populate the VLAN ID field with a value of 1-4094 regardless of whether used or not.

Table 7-3 (Cont.) DSR 8.6.0.2.0 Known Bugs



Bug Number	Severity	Found in Release	Title	Customer Impact
24621473	4	8	The SBR HA and HA health check scripts accessing tables instead of SOAP APIs.	No impact.
25028429	4	8	DSR Backout: invalid response from User (yes vs. y) shouldn't abort CLI Session	If users do not type y or N in response to, "Continue backout? [y/N]:", there is no reason given for the abort of the backout command.
				Workaround: The backout command can be re-entered.
25379612	4	8	IDIH : 80.17.2: OAM GUI showing extra Mediation input Sources	No operational impact. Extra mediation source entries may be displayed. If the IDIH has ever been modified to retrieve data fror another DSR SOAM, table entries for serve hosts from the other SOAM will be displayed in IDIH OAM application screen Applications > DSR>"Mediatior Input Sources".
				Workaround: Disregard hosts that no longer apply to the current

Table 7-3 (Cont.) DSR 8.6.0.2.0 Known Bugs



Bug Number	Severity	Found in Release	Title	Customer Impact
25462998	4	8	Pause update not functioning on Comm Agent Screens	Minimal customer impact. The GUI status screens under "Communication Agent > Maintenance" will continue to update when a
				pause update check box is selected.
25542610	4	8	When NMS server added user may return to a screen with addtion not reported	Update may not be reflected on GUI until it is manually refreshed. Workaround: None. Users need to navigate back to the desired screen rather than be automatically returned to it.
25584247	4	8	Misleading DCA Custom Event Template Throttling Description	Misleading 'Alarm Throttling Interval' description. Minimum value is incorrect. [Default = 60; Range = 0-300] should read [Default = 60; Range = 5-300].
25616683	4	8	Capacity Summary screen constraints inconsistent with Online Help doc	Online help has an inaccuracy concerning max local nodes =32 instead of 48.
29531355	4	8.4	STP8.4_GPORT _FT: MTSMSIMSI not taking ASDDN / ASDRNDN values	Resonse messages in case of GPORT cannot be encoded MTSMSIMSI as ASDDN and ASDRNDN.

Table 7-3 (Cont.) DSR 8.6.0.2.0 Known Bugs

Bug Number	Severity	Found in Release	Title	Customer Impact
26710183	4	8.2	RE when edited to remove the destination, should not be saved	If an RE is edited and all destination are set to None, then any FABR queries to this particular RE will fail (ATTACH failures will be observed). Workaround: None. As a note: for any FABR query to pass, a valid destination must be assigned to an RE.
25573507	4	8.1	[DSR SSST 8.1] IPFE validation missing in IPFE > Configuration > Options screen	If a wrong IP address is used, then TSA will not work. This will only happen when operator is configuring the IF address incorrectly. In field, operator shall use the correct IP address and verify the configuration before starting the traffic.
25737480	4	8.1	[DSR SSST 8.1]When we insert device, XSI IPv4 address replaces with IPv6 address.	Operators will not be able to add two devices at the same time
26188293	4	8.1	[DASH:P&C] DSR Dashboard PCA Avg Ing MPS instead reported as RxPdraMsgRate	The Dashboard screen does not include OCDRA MPS, it is showing only PDRA MPS. SBR Sessions under Servers tab SBR Sessions field is not including OCDRA Sessions count.

Table 7-3 (Cont.) DSR 8.6.0.2.0 Known Bugs



Bug Number	Severity	Found in Release	Title	Customer Impact
26270776	4	8.1	Process Util spikes seen for pingAllLivePeer and iptablesAdm	This has no impact on the advertised performance figures. While testing the smallest VM resource profile, such as 4 vCPUs/8G RAM) we observed an anomaly wherein pingAllLivePeer, and iptablesAdm tasks result in CPU spikes. The bench-marked/ advertised MPS, that is, 6K RBAR MPS per DA-MP) has already considered these spikes and runs fine with this anomaly.

Table 7-3 (Cont.) DSR 8.6.0.2.0 Known Bugs

7.3.2 vSTP

Release 9.0.0.0.0

There are no known bugs for vSTP 9.0.0.0.0 release.

Release 8.6.0.4.0

There are no known bugs for vSTP 8.6.0.4.0 release.

Release 8.6.0.3.0

The following table lists the vSTP known bugs along with the customer impact statements for vSTP 8.6.0.3.0 release.



Bug Number	Severity	Found in Release	Title	Customer Impact
34903932	3	8.6	vSTP Reassembly failure for XUDT Segmented packets with segments having optional parameter after TCAP	vSTP process can restart when such XUDT Segmented packets are received that have segments with optional parameter after TCAP portion. Workaround is to disable the Reassembly/ Segmentation feature of XUDT Class1 segmented packets.

Table 7-4 vSTP 8.6.0.3.0 Known Bugs

The following table lists the vSTP known bugs along with the customer impact statements for vSTP 8.6.0.2.0 release.

Table 7-5 vSTP 8.6.0.2.0 Known Bugs

Bug Number	Severity	Found in Release	Title	Customer Impact
34693998	3	8.6.0.1.0	Exporting the measurements while selecting Scope other than Network Element fails	Workaround: Export measurements with scope configured as 'Network Element' and any Server Group from the drop down menu.
33884723	3	8.5.0.0.0	vSTP: MRNSET update issue when MRNSET is modified during high traffic load	vSTP: MRNSET update issue when MRNSET is modified during high traffic load. Workaround: Perform the MRNSET configuration changes during maintenance window or when the traffic rate is not high.



Bug Number	Severity	Found in Release	Title	Customer Impact
29518322	3	8.4	MIX of ANSI + ITUI traffic (72K for 8 MP¿s per site) is not able to run on my performance setup, whereas same amount of traffic for just ITUI domain is running fine.	MIX traffic routing results in MSU failure, when running traffic is close to configured Link TPS. Workaround:None
29518100	3	8.4	Few ITUI domain links got stuck in congestion level though I have reduced traffic to zero	When a linkset is pushed for more traffic routing, which triggers egress congestion, and if remains under this traffic stress, where links bounce due to congestion. Some Links get stuck in congestion levels though traffic gets reduced to zero. Here, Congestion level stuck links will never route egress traffic until they get reset.
29408014	3	8.4	On making the relativeCost value of Secondary entry same as relativeCost value of Primary entry, load sharing is not happening with respect to the weight.	Load sharing will not occur correctly on changing to the same cost. This could cause an early onset of congestion due to not using all available paths to load share. Workaround: Reconfigure the MAP load sharing group by deleting the existing mapset group. Or, avoid put operation for changing RC.

Table 7-5 (Cont.) vSTP 8.6.0.2.0 Known Bugs

Bug Number	Severity	Found in Release	Title	Customer Impact
31757106	3	8.5	vSTP_SIG: XCA and CBA message are not sent for ITUN24 domain	SNM (Signalling Network Management) messages for ITUN24 domain will not work. ITUN24 domain traffic is running fine. For other domains, SNM messages are working fine. Workaround : None
31757057	3	8.5	[vSTP_SIG]: for ITUN24 domain, RST message is not sent when TFP message is received	SNM (Signalling Network Management) messages for ITUN24 domain will not work. ITUN24 domain traffic is running fine. For other domains, SNM messages are working fine. Workaround : None
31588873	3	8.5	MP_Perf: Observed discards due to congestion with MTP screening traffic	The MTP Screening with wild characters is heavy operation & consuming excessive CPU causing M3RL layer to congest. System shall limit TPS to 15K per MP when MTP3 Screening is turned ON. Workaround : Limit MTP3 Screening traffic to 15K TPS per vSTP MP for Gateway STP. No Impact for Non- Gateway deployments.

Table 7-5 (Cont.) vSTP 8.6.0.2.0 Known Bugs



Bug Number	Severity	Found in Release	Title	Customer Impact
32672994	3	8.5	vSTP_SIG : During traffic at 100% TPS, links are getting down and not coming up	M2PA links may go down some time when the traffic runs at the maximum MP capacity and does not recover automatically. Workaround: Disable and then enable the affected link from GUI/MMI to bring the link up.
32573278	3	8.5	8.5.0.1_ST:Comag ent connection gets deleted in case of UDR based traffic	Comagent connections between vSTP and UDR go down for some time during high traffic scenarios. Transactions at vSTP MP may timeout and fail during such time when the connection is down with UDR. Workaround: None. The comagent connections recover automatically.
31983406	3	8.5	R8.5.0.1:VstpM3U AEventQueue alarms on intervstp M3UA links	Queue alarms and congestion is observed while running 10K TPS traffic on one of the M3UA links. Workaround : None. Run lower than 10K TPS per M3UA link.

Table 7-5 (Cont.) vSTP 8.6.0.2.0 Known Bugs

Release 8.6.0.1.0

The following table lists the vSTP known bugs along with the customer impact statements for vSTP 8.6.0.3.0 release.

Bug Number	Severity	Found in Release	Title	Customer Impact
34342490	3	8.6.0.0.0	Issue with ordering of MTP screening rules during Bulk Import from GUI	Exporting the MO "MTP Screening Rules" into a csv changes the order of rules in the exported file. So importing this exported csv again will cause issues in MTP screening configuration. Workaround : None. Do not use export/import for "MTP Screening Rules" MO.
34342460	3	8.6.0.0	Issue with MTP screening Import when rules are inter dependent	Exporting the MO "MTP Screening Rules" into a csv, and then importing the csv again through GUI introduces some errors in the screening rules in a specific scenario when the rules are inter-dependent. Workaround : None. Do not use export/import for "MTP Screening Rules" MO.
33884723	3	8.5.0.0.0	vSTP: MRNSET update issue when MRNSET is modified during high traffic load	vSTP: MRNSET update issue when MRNSET is modified during high traffic load. Workaround: Perform the MRNSET configuration changes during maintenance window or when the traffic rate is not high.

Table 7-6 vSTP 8.6.0.1.0 Known Bugs

Bug Number	Severity	Found in Release	Title	Customer Impact
29518322	3	8.4	MIX of ANSI + ITUI traffic (72K for 8 MP¿s per site) is not able to run on my performance setup, whereas same amount of traffic for just ITUI domain is running fine.	MIX traffic routing results in MSU failure, when running traffic is close to configured Link TPS. Workaround:None
29518100	3	8.4	Few ITUI domain links got stuck in congestion level though I have reduced traffic to zero	When a linkset is pushed for more traffic routing, which triggers egress congestion, and if remains under this traffic stress, where links bounce due to congestion. Some Links get stuck in congestion levels though traffic gets reduced to zero. Here, Congestion level stuck links will never route egress traffic until they get reset.
29408014	3	8.4	On making the relativeCost value of Secondary entry same as relativeCost value of Primary entry, load sharing is not happening with respect to the weight.	Load sharing will not occur correctly on changing to the same cost. This could cause an early onset of congestion due to not using all available paths to load share. Workaround: Reconfigure the MAP load sharing group by deleting the existing mapset group. Or, avoid put operation for changing RC.

Table 7-6 (Cont.) vSTP 8.6.0.1.0 Known Bugs

Bug Number	Severity	Found in Release	Title	Customer Impact
31757106	3	8.5	vSTP_SIG: XCA and CBA message are not sent for ITUN24 domain	SNM (Signalling Network Management) messages for ITUN24 domain will not work. ITUN24 domain traffic is running fine. For other domains, SNM messages are working fine. Workaround : None
31757057	3	8.5	[vSTP_SIG]: for ITUN24 domain, RST message is not sent when TFP message is received	SNM (Signalling Network Management) messages for ITUN24 domain will not work. ITUN24 domain traffic is running fine. For other domains, SNM messages are working fine. Workaround : None
31588873	3	8.5	MP_Perf: Observed discards due to congestion with MTP screening traffic	The MTP Screening with wild characters is heavy operation & consuming excessive CPU causing M3RL layer to congest. System shall limit TPS to 15K per MP when MTP3 Screening is turned ON. Workaround : Limit MTP3 Screening traffic to 15K TPS per vSTP MP for Gateway STP. No Impact for Non- Gateway deployments.

Table 7-6 (Cont.) vSTP 8.6.0.1.0 Known Bugs



Bug Number	Severity	Found in Release	Title	Customer Impact
32672994	3	8.5	vSTP_SIG : During traffic at 100% TPS, links are getting down and not coming up	M2PA links may go down some time when the traffic runs at the maximum MP capacity and does not recover automatically. Workaround: Disable and then enable the affected link from GUI/MMI to bring the link up.
32573278	3	8.5	8.5.0.1_ST:Comag ent connection gets deleted in case of UDR based traffic	Comagent connections between vSTP and UDR go down for some time during high traffic scenarios. Transactions at vSTP MP may timeout and fail during such time when the connection is down with UDR. Workaround: None. The comagent connections recover automatically.
31983406	3	8.5	R8.5.0.1:VstpM3U AEventQueue alarms on intervstp M3UA links	Queue alarms and congestion is observed while running 10K TPS traffic on one of the M3UA links. Workaround: None. Run lower than 10K TPS per M3UA link.

Table 7-6 (Cont.) vSTP 8.6.0.1.0 Known Bugs

Release 8.6.0.0.0

The following table lists the vSTP known bugs along with the customer impact statements for vSTP 8.6.0.3.0 release.

Bug Number	Severity	Found in Release	Title	Customer Impact
34062266	3	8.6.0.0	R8.6_vSTP: Random link toggling at 80% MP capacity with link busy parameter ON	In case vSTP receives an M2PA Link Busy message from remote end at high link TPS traffic, then the M2PA link may go into congestion and toggle. Workaround: Turn the enhanced Link busy parameter OFF.
33935352	3	8.6.0.0	R8.6_vSTP:M2PA Links toggle observed when traffic is run for the first time after vstp process of MPs are restarted	When starting traffic on a link sometimes, if there are initial traffic bursts or spikes, then the M2PA link may toggle. But it recovers and stabilizes thereafter and there is no impact after the initial toggle. Workaround: None.
33884723	3	8.5.0.00	vSTP: MRNSET update issue when MRNSET is modified during high traffic load	vSTP: MRNSET update issue when MRNSET is modified during high traffic load. Workaround: Perform the MRNSET configuration changes during maintenance window or when the traffic rate is not high.
29518322	3	8.4	MIX of ANSI + ITUI traffic (72K for 8 MP¿s per site) is not able to run on my performance setup, whereas same amount of traffic for just ITUI domain is running fine.	MIX traffic routing results in MSU failure, when running traffic is close to configured Link TPS. Workaround :None

Table 7-7 vSTP 8.6.0.0.0 Known Bugs



Bug Number	Severity	Found in Release	Title	Customer Impact
29518100	3	8.4	Few ITUI domain links got stuck in congestion level though I have reduced traffic to zero	When a linkset is pushed for more traffic routing, which triggers egress congestion and if remains under this traffic stress, where links bounce due to congestion. Some Links get stuck in congestion levels though traffic gets reduced to zero. Here, Congestion level stuck links will never route egress traffic until they get reset.
29408014	3	8.4	On making the relativeCost value of Secondary entry same as relativeCost value of Primary entry, load sharing is not happening with respect to the weight.	Load sharing will not occur correctly on changing to the same cost. This could cause an early onset of congestion due to not using all available paths to load share. Workaround: Reconfigure the MAP load sharing group by deleting the existing mapset group. Or,
31757106	3	8.5	vSTP_SIG: XCA and CBA message are not sent for ITUN24 domain	avoid put operation for changing RC. SNM (Signalling Network Management) messages for ITUN24 domain will not work
				will not work. ITUN24 domain traffic is running fine. For other domains, SNM messages are working fine. Workaround : None

Table 7-7 (Cont.) vSTP 8.6.0.0.0 Known Bugs



Bug Number	Severity	Found in Release	Title	Customer Impact
31757057	3	8.5	[vSTP_SIG]: for ITUN24 domain, RST message is not sent when TFP message is received	SNM (Signalling Network Management) messages for ITUN24 domain will not work. ITUN24 domain traffic is running fine. For other domains, SNM messages are working fine. Workaround : None
31588873	3	8.5	MP_Perf: Observed discards due to congestion with MTP screening traffic	The MTP Screening with wild characters is heavy operation & consuming excessive CPU causing M3RL layer to congest. System shall limit TPS to 15K per MP when MTP3 Screening is turned ON. Workaround : Limit MTP3 Screening traffic to 15K TPS per vSTP MP for Gateway STP. No Impact for Non- Gateway deployments.
32672994	3	8.5	vSTP_SIG : During traffic at 100% TPS, links are getting down and not coming up	M2PA links may go down some time when the traffic runs at the maximum MP capacity and does not recover automatically. Workaround : Disable and then enable the affected link from GUI/MMI to bring the link up.

Table 7-7 (Cont.) vSTP 8.6.0.0.0 Known Bugs



Bug Number	Severity	Found in Release	Title	Customer Impact
32573278	3	8.5	8.5.0.1_ST:Comag ent connection gets deleted in case of UDR based traffic	Comagent connections between vSTP and UDR go down for some time during high traffic scenarios. Transactions at vSTP MP may timeout and fail during such time when the connection is down with UDR. Workaround: None. The comagent connections recover automatically.
31983406	3	8.5	R8.5.0.1:VstpM3U AEventQueue alarms on intervstp M3UA links	Queue alarms and congestion is observed while running 10K TPS traffic on one of the M3UA links. Workaround : None. Run lower than 10K TPS per M3UA link.

Table 7-7 (Cont.) vSTP 8.6.0.0.0 Known Bugs

7.3.3 VNFM Known Bugs

There are no known bugs for this release.

