Oracle® Communications
Diameter Signaling Router
DSR Mediation Feature Activation Procedure
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Oracle Communications Diameter Signaling Router Mediation Feature Activation Procedure, Release 8.2.

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Table of Contents

1. Introduction .......................................................................................................................... 5
   1.1 Acronyms ....................................................................................................................... 5
   1.2 General Procedure Step Format .................................................................................. 6

2. Feature Activation Overview ............................................................................................ 6
   2.1 Definition of Activation for the Mediation Feature ..................................................... 6
   2.2 Pre-Feature Activation Overview ................................................................................ 7
   2.3 Feature Activation Execution Overview ..................................................................... 8
   2.4 Post-Feature Activation Overview .............................................................................. 8

3. Feature Deactivation Overview ........................................................................................ 9
   3.1 Pre-Feature Deactivation Overview ............................................................................. 9
   3.2 Feature Deactivation Execution Overview ................................................................ 9
   3.3 Post-Feature Deactivation Overview .......................................................................... 10

4. Feature Activation Preparation .......................................................................................... 11
   4.1 System Topology Check ............................................................................................... 11
   4.2 Perform Health Check .................................................................................................. 13

5. Feature Activation .............................................................................................................. 15
   5.1 Pre-Activation Procedures ......................................................................................... 16
      5.1.1 Perform Health Check .......................................................................................... 16
   5.2 Activation Procedures .................................................................................................. 18
      5.2.1 Feature Activation (Global-Admin/Meta-Admin) .................................................. 18
      5.2.2 Feature Activation (Global-Admin) ...................................................................... 21
      5.2.3 Feature Activation (Meta-Admin) ......................................................................... 24
   5.3 Post-Activation Procedures ........................................................................................ 27
      5.3.1 Perform Health Check .......................................................................................... 27

6. Feature Deactivation .......................................................................................................... 29
   6.1 Pre-Deactivation Procedures ........................................................................................ 29
      6.1.1 Perform Health Check .......................................................................................... 29
   6.2 Deactivation Procedures ............................................................................................... 31
      6.2.1 Feature Deactivation (Global-Admin/Meta-Admin) ................................................ 31
      6.2.2 Feature Deactivation (Global-Admin) .................................................................... 34
      6.2.3 Feature Deactivation (Meta-Admin) ..................................................................... 37
   6.3 Post-Deactivation Procedures ....................................................................................... 40
      6.3.1 Perform Health Check ........................................................................................... 40

7. Engineering Notes ............................................................................................................. 42
   7.1 Sample Output of Activation (Active NOAM) ........................................................... 42
List of Tables

Table 1. Acronyms ........................................................................................................5
Table 2. Behavior of Mediation based on Global_Admin_State and Meta_Administrator_Privilege ........6
Table 3. Pre-Feature Activation Overview ..................................................................7
Table 4. Feature Activation Execution Overview .......................................................8
Table 5. Post-Feature Activation Overview ................................................................8
Table 6. Pre-Feature Deactivation Overview .............................................................9
Table 7. Feature Deactivation Overview .....................................................................9
Table 8. Post-Feature Deactivation Overview ...........................................................10

List of Figures

Figure 1. Example of a Procedure Step .....................................................................6

List of Procedures

Procedure 1. System Topology Check .......................................................................11
Procedure 2. Perform Health Check (Feature Activation Preparation) ....................13
Procedure 3. Perform Health Check (Pre Feature Activation) ..................................16
Procedure 4. Feature Activation (Global-Admin/Meta-Admin) .................................18
Procedure 5. Feature Activation (Global-Admin) ....................................................21
Procedure 6. Feature Activation (Meta-Admin) .......................................................24
Procedure 7. Perform Health Check (Post-Feature Activation) ...............................27
Procedure 8. Perform Health Check (Pre-Feature Deactivation) .............................29
Procedure 9. Feature Deactivation (Global-Admin/Meta-Admin) ............................31
Procedure 10. Feature Deactivation (Global-Admin) ...............................................34
Procedure 11. Feature Deactivation (Meta-Admin) .................................................37
Procedure 12. Perform Health Check (Post-Feature Deactivation) .......................40
1. Introduction

This document defines the procedure that is executed to activate the Mediation feature on DSR 7.0 (or later) network element (NE). This procedure may be run either 1) As part of a new DSR installation, after the standard installation is complete but before the NE is in service, or 2) on an in-service DSR NE, where the Mediation feature is activated during a planned maintenance window to minimize the impact to network traffic.

This document also provides a procedure to deactivate Mediation after it has been activated. Refer to section 3 for a discussion of deactivation.

No additional software installation is required prior to executing this procedure. The standard DSR installation procedure has loaded all of the required software, even if the Mediation feature is activated at a later time.

1.1 Acronyms

An alphabetized list of acronyms used in the document.

<table>
<thead>
<tr>
<th>Acronym</th>
<th>Definition</th>
</tr>
</thead>
<tbody>
<tr>
<td>BNS</td>
<td>Broadband Networking Solutions</td>
</tr>
<tr>
<td>CAPM</td>
<td>Computer-Aided Policy Making</td>
</tr>
<tr>
<td>DA-MP</td>
<td>Diameter Agent Message Processor</td>
</tr>
<tr>
<td>DB</td>
<td>Database</td>
</tr>
<tr>
<td>DSR</td>
<td>Diameter Signaling Router</td>
</tr>
<tr>
<td>FOA</td>
<td>First Office Application</td>
</tr>
<tr>
<td>GUI</td>
<td>Graphical User Interface</td>
</tr>
<tr>
<td>HA</td>
<td>High Availability</td>
</tr>
<tr>
<td>IMI</td>
<td>Internal Management Interface</td>
</tr>
<tr>
<td>IP</td>
<td>Internet Protocol</td>
</tr>
<tr>
<td>MP</td>
<td>Message Processing or Message Processor</td>
</tr>
<tr>
<td>NE</td>
<td>Network Element</td>
</tr>
<tr>
<td>NO</td>
<td>Network OAM</td>
</tr>
<tr>
<td>NOAM</td>
<td>Network OAM</td>
</tr>
<tr>
<td>OAM</td>
<td>Operations, Administration and Maintenance</td>
</tr>
<tr>
<td>SSH</td>
<td>Secure Shell</td>
</tr>
<tr>
<td>UI</td>
<td>User Interface</td>
</tr>
<tr>
<td>VIP</td>
<td>Virtual IP</td>
</tr>
<tr>
<td>VPN</td>
<td>Virtual Private Network</td>
</tr>
<tr>
<td>XMI</td>
<td>External Management Interface</td>
</tr>
</tbody>
</table>
1.2 General Procedure Step Format

Where it is necessary to identify the server explicitly on which a particular step is to be taken, the server name is given in the title box for the step (e.g., "ServerX" in Figure 1. Example of a Procedure Step).

Each step has a checkbox for every command within the step that the technician should check to keep track of the progress of the procedure.

The title box describes the operations to be performed during that step.

Each command that the technician is to enter is in 10 point bold Courier font.

<table>
<thead>
<tr>
<th>ServerX: Connect to the console of the server</th>
<th>Establish a connection to the server using cu on the terminal server/console. $ cu -l /dev/ttyS7</th>
</tr>
</thead>
</table>

Figure 1. Example of a Procedure Step

2. Feature Activation Overview

This section lists the required materials and information needed to execute the feature activation. In addition, Table 2 through Table 8 provides estimates of the time required to execute the procedure. These tables can be used to estimate the total time necessary to complete the feature activation. The timing values shown are estimates only – use these tables to plan the timing of the activation, not to execute the procedure. The detailed procedure steps to be executed begin in section 5.

2.1 Definition of Activation for the Mediation Feature

The precise meaning of activation varies from feature to feature. This section briefly defines what activation means with respect to the Mediation feature.

All software required to run Mediation is available by default as part of a DSR installation or upgrade. The process of activating the feature simply makes proper use of software elements and file system files already present to change the behavior of the DSR NE.

Table 2. Behavior of Mediation based on Global_Admin_State and Meta_Administrator_Privilege

<table>
<thead>
<tr>
<th>Global_Admin_State</th>
<th>Meta_Administrator_Privilege</th>
<th>Behavior</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1</td>
<td>Mediation folder is shown under Diameter menu. Mediation signaling code evaluates trigger points to see if Mediation rules are to be applied to ingress messages. Rule Template screen is shown under Mediation menu. <strong>Note:</strong> Meta_Administrator_Privilege cannot be enabled if Global_Admin_State is disabled.</td>
</tr>
</tbody>
</table>
### 2.2 Pre-Feature Activation Overview

The pre-activation procedures shown in the following table may be executed outside a maintenance window if desired. Procedure completion times shown here are estimates. Times may vary due to differences in database size, network configuration and loading, user experience, and user preparation.

#### Table 3. Pre-Feature Activation Overview

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Elapsed Time (Hours:Minutes)</th>
<th>Feature Activation Preparation Procedures</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>This Step</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Required Material Check</td>
<td>0:10-0:30</td>
<td>• Verify all required materials are present</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Cum.</td>
<td>• Verify all administration data needed during feature activation</td>
<td></td>
</tr>
<tr>
<td>System Topology Check (Procedure 1)</td>
<td>0:10-0:30</td>
<td>• Verify Network Element Configuration data</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Verify System Group Configuration data</td>
<td></td>
</tr>
<tr>
<td>Perform Health Check (Procedure 2)</td>
<td>0:01-0:05</td>
<td>• Verify DSR release</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Verify server status</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Log all current alarms</td>
<td></td>
</tr>
</tbody>
</table>
2.3 Feature Activation Execution Overview

The procedures shown in the following table are executed inside a single maintenance window. Procedure completion times shown here are estimates. Times may vary due to differences in database size, network configuration and loading, user experience, and user preparation.

Table 4. Feature Activation Execution Overview

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Elapsed Time (Hours:Minutes)</th>
<th>Feature Activation Execution Procedures</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perform Health Check (Procedure 3)</td>
<td>0:01-0:05</td>
<td>• Verify DSR release</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Verify proper Mediation state</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Verify server status</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Log all current alarms</td>
<td></td>
</tr>
<tr>
<td>Feature Activation (Procedure 4)</td>
<td>0:10-0:30</td>
<td>• Log out of NOAM GUI</td>
<td>Mediation feature is activated on DSR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• SSH to active NOAM</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Change to the feature activation directory</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Execute the feature activation script</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• For enabling both Global-Admin/Meta-Admin, refer to Procedure 4</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• For enabling Global-Admin, refer to Procedure 5</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• For enabling Meta-Admin, refer to Procedure 6</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Log into Active SOAM GUI</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Verify the Mediation folder</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Close SSH connections to both NOAMs</td>
<td></td>
</tr>
</tbody>
</table>

2.4 Post-Feature Activation Overview

The procedures shown in the following table are executed inside a maintenance window. Procedure completion times shown here are estimates. Times may vary due to differences in database size, network configuration and loading, user experience, and user preparation.

Table 5. Post-Feature Activation Overview

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Elapsed Time (Hours:Minutes)</th>
<th>Feature Activation Completion Procedures</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perform Health Check (Procedure 7)</td>
<td>0:01-0:05</td>
<td>• Verify server status</td>
<td>Mediation has been activated on DSR</td>
</tr>
<tr>
<td></td>
<td></td>
<td>• Log all current alarms</td>
<td></td>
</tr>
</tbody>
</table>
3. Feature Deactivation Overview

3.1 Pre-Feature Deactivation Overview

The procedures shown in the following table are executed inside a maintenance window. Deactivation procedure times are only estimates as the reason to execute a deactivation has a direct impact on any additional deactivation preparation that must be done. Times may vary due to differences in database size, network configuration and loading, user experience, and user preparation.

Table 6. Pre-Feature Deactivation Overview

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Elapsed Time (Hours:Minutes)</th>
<th>Deactivation Preparation Procedures</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>This Step</td>
<td>Cum.</td>
<td>• Verify DSR release.</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Verify proper Mediation feature state</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Verify server status</td>
</tr>
<tr>
<td></td>
<td></td>
<td></td>
<td>• Log current alarms</td>
</tr>
<tr>
<td>Perform Health Check (Procedure 8)</td>
<td>0:01-0:05</td>
<td>0:01-0:05</td>
<td>None</td>
</tr>
</tbody>
</table>

3.2 Feature Deactivation Execution Overview

The procedures shown in the following table are executed inside a maintenance window. Deactivation procedure times are only estimates as the reason to execute a deactivation has a direct impact on any additional deactivation preparation that must be done. Times may vary due to differences in database size, network configuration and loading, user experience, and user preparation.

Table 7. Feature Deactivation Overview

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Elapsed Time (Hours:Minutes)</th>
<th>Deactivation Procedures</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deactivation Setup</td>
<td>0:10-0:30</td>
<td>The reason to deactivate has a direct impact on any additional backout preparation that must be done. Since all possible reasons cannot be predicted ahead of time, only estimates are given here. Execution time varies.</td>
<td>None</td>
</tr>
</tbody>
</table>
### Procedure Activation Overview

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Elapsed Time (Hours:Minutes)</th>
<th>Deactivation Procedures</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Deactivation (Procedure 9)</td>
<td>This Step: 0:10-0:20</td>
<td>- Log out of active NOAM GUI</td>
<td>Mediation feature is deactivated on DSR.</td>
</tr>
<tr>
<td></td>
<td>Cum.: 0:20-0:50</td>
<td>- SSH into active NOAM</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Change directory</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Execute the feature deactivation script</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- For disabling both Global-Admin/Meta-Admin, refer to Procedure 9</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- For disabling Global-Admin, refer to Procedure 10</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- For disabling Meta-Admin, refer to Procedure 11</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Log into active SOAM GUI</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Verify the Mediation folder</td>
<td></td>
</tr>
<tr>
<td></td>
<td></td>
<td>- Close SSH connections to both NOAMs</td>
<td></td>
</tr>
</tbody>
</table>

#### 3.3 Post-Feature Deactivation Overview

The procedures shown in the following table are executed inside a maintenance window. Deactivation procedure times are only estimates as the reason to execute a deactivation has a direct impact on any additional deactivation preparation that must be done. Times may vary due to differences in database size, network configuration and loading, user experience, and user preparation.

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Elapsed Time (Hours:Minutes)</th>
<th>Post Deactivation Procedures</th>
<th>Impact</th>
</tr>
</thead>
<tbody>
<tr>
<td>Perform Health Check (Procedure 12)</td>
<td>This Step: 0:01-0:05</td>
<td>- Verify server status</td>
<td>None</td>
</tr>
<tr>
<td></td>
<td>Cum.: 0:01-0:05</td>
<td>- Log all current alarms</td>
<td></td>
</tr>
</tbody>
</table>
4. Feature Activation Preparation

Initially, there is a primary – if not singular – planned use case for Mediation feature activation. It is expected that Oracle personnel following this Feature Activation Procedure document will activate the Mediation feature on a customer’s DSR NE, define one or more Rule Templates as required for that customer, and then deactivate the Meta-Administrator privilege. Once Oracle personnel define the Rule Templates, customer personnel then use the Rule Set Administrator interface to define the specific Rules that govern mediation actions taken by the DSR.

This section provides detailed procedures to prepare a system for Mediation feature activation. These procedures are executed outside a maintenance window.

4.1 System Topology Check

This procedure is part of feature activation preparation and is used to verify the system topology of the DSR network and servers.

Procedure 1. System Topology Check

<table>
<thead>
<tr>
<th>Step #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>NOAM VIP GUI: Establish a GUI session on the NOAM server by using the VIP address of the NOAM server. Open the web browser and enter a URL of: &lt;br&gt; http://&lt;Primary_NOAM_VIP_IP_Address&gt; &lt;br&gt; Login as the guiadmin user:</td>
</tr>
</tbody>
</table>

Login as the **guiadmin** user:

![Oracle System Login](image)

Welcome to the Oracle System Login.

This application is designed to work with most modern HTML5 compliant browsers and uses both JavaScript and cookies. Please refer to the Oracle Software Web Browser Support Policy for details.
Procedure 1. System Topology Check

1. Navigate to Configuration -> Networking -> Networks.

2. Select the site network element tab.

<table>
<thead>
<tr>
<th>Network Name</th>
<th>Network Type</th>
<th>Default</th>
<th>Locked</th>
</tr>
</thead>
<tbody>
<tr>
<td>XMI</td>
<td>OAM</td>
<td>Yes</td>
<td>Yes</td>
</tr>
<tr>
<td>IMI</td>
<td>OAM</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>xfl1</td>
<td>Signaling</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>xfl2</td>
<td>Signaling</td>
<td>No</td>
<td>No</td>
</tr>
<tr>
<td>xfl3</td>
<td>Signaling</td>
<td>No</td>
<td>No</td>
</tr>
</tbody>
</table>

3. Click Report.

4. Verify the configuration data is correct for your network.

5. Save or Print this report to keep copies for future reference.

3. NOAM VIP GUI: Verify server configuration

1. Navigate to Configuration -> Server Groups.

2. Click Report.

3. Verify the configuration data is correct for your network.

4. Save or Print this report to keep copies for future reference.
4.2 Perform Health Check

This procedure is part of feature activation preparation and determines the health and status of the DSR release network and servers. This may be executed multiple times, but must also be executed at least once 24-36 hours before the start of the maintenance window in which the feature activation is to take place.

Procedure 2. Perform Health Check (Feature Activation Preparation)

<table>
<thead>
<tr>
<th>STE #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>This procedure performs needed health checks. Check off (✓) each step as it is completed. Boxes have been provided for this purpose under each step number.</td>
<td></td>
</tr>
<tr>
<td>If this procedure fails, contact My Oracle Support (MOS) and ask for assistance.</td>
<td></td>
</tr>
</tbody>
</table>

1. NOAM VIP GUI: Login

   Establish a GUI session on the NOAM server by using the VIP address of the NOAM server. Open the web browser and enter a URL of:

   http://<Primary_NOAM_VIP_IP_Address>

   Login as the guiadmin user:

   ![Oracle System Login]

   Welcome to the Oracle System Login.

   This application is designed to work with most modern HTML5 compliant browsers and uses both JavaScript and cookies. Please refer to the Oracle Software Web Browser Support Policy for details.
Procedure 2. Perform Health Check (Feature Activation Preparation)

1. Navigate to Status & Manage -> Server.

2. Verify all Server Status is Normal (Norm) for:
   - Replication (Repl), Collection (Coll), Database (DB), High Availability (HA), and Processes (Proc).

<table>
<thead>
<tr>
<th>Appl State</th>
<th>Alm</th>
<th>DB</th>
<th>Reporting States</th>
<th>Proc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Disabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
</tbody>
</table>

   Do not proceed to feature activation if any of the above states are not Norm. If any of these are not Norm, corrective action should be taken to restore the non-Norm status to Norm before proceeding with the feature activation.

   If the Alarm (Alm) status is not Norm but only Minor alarms are present, it is acceptable to proceed with the feature activation. If there are Major or Critical alarms present, these alarms should be analyzed prior to proceeding with the feature activation. The activation may be able to proceed in the presence of certain Major or Critical alarms. Contact My Oracle Support (MOS) for assistance as necessary.

3. Navigate to Alarms & Events -> View Active.

   1. Click Report.

   2. Save or Print this report to keep copies for future reference.
## Procedure 2. Perform Health Check (Feature Activation Preparation)

<table>
<thead>
<tr>
<th></th>
<th>NOAM VIP GUI: Log current alarms</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Navigate to Alarms &amp; Events -&gt; View History.</td>
</tr>
<tr>
<td>2.</td>
<td>Click Report.</td>
</tr>
<tr>
<td>3.</td>
<td>Save or Print this report to keep copies for future reference.</td>
</tr>
</tbody>
</table>

### 5. Feature Activation

Before feature activation, perform the system health check in section 4.2. This check ensures the system is ready for feature activation. Performing the system health check determines which alarms are present in the system and if feature activation can proceed with alarms.

### ***** WARNING *****

If there are servers in the system, which are not in Normal state, these servers should be brought to the Normal or the Application Disabled state before the feature activation process is started.

If alarms are present on the server, contact My Oracle Support (MOS) to diagnose those alarms and determine whether they need to be addressed or if it is safe to proceed with the feature activation.

Read the following notes on feature activation procedures:

- Where possible, command response outputs are shown as accurately as possible. EXCEPTIONS are as follows:
  - Session banner information such as time and date.
  - System-specific configuration information such as hardware locations, IP addresses, and hostnames.
  - ANY information marked with “XXXX” or “YYYY” where appropriate, instructions are provided to determine what output should be expected in place of “XXXX or YYYY”
  - Aesthetic differences unrelated to functionality such as browser attributes: window size, colors, toolbars, and button layouts.
- After completing each step and at each point where data is recorded from the screen, the technician performing the feature activation must initial each step. A checkbox must be provided. For procedures which are executed multiple times, the check box can be skipped, but the technician must initial each iteration the step is executed. The space on either side of the step number can be used (margin on left side or column on right side).
- Captured data is required for future support reference.
5.1 Pre-Activation Procedures

5.1.1 Perform Health Check

This procedure determines the health and status of the network and servers. This must be executed at the start of every maintenance window.

**Note:** The following Health Check procedure is the same as the Health Check procedure described in section 4.2 when preparing for feature activation, but it is repeated here to emphasize that it is being re-executed if section 4.2 was performed outside the maintenance window.

Procedure 3. Perform Health Check (Pre Feature Activation)

<table>
<thead>
<tr>
<th>STEP</th>
<th>SOAM VIP GUI: Login</th>
<th>NOAM VIP GUI: Verify Mediation folder is not present</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Establish a GUI session on the SOAM server by using the VIP address of the SOAM server. Open the web browser and enter a URL of: <code>http://&lt;Primary_SOAM_VIP_IP_Address&gt;</code></td>
<td>Under <strong>Main Menu</strong>, verify the Mediation folder is NOT present on NOAM and SOAM (3-tiered).</td>
</tr>
<tr>
<td></td>
<td>Login as the <strong>guiadmin</strong> user:</td>
<td></td>
</tr>
</tbody>
</table>
**Procedure 3. Perform Health Check (Pre Feature Activation)**

1. Navigate to **Status & Manage -> Server**.
   - **Status & Manage**
     - Network Elements
     - Server
     - HA
     - Database
     - KPIs
     - Processes

2. Verify all Server Status is **Normal (Norm)** for:
   - Replication (Repl), Collection (Coll), Database (DB), High Availability (HA), and Processes (Proc).

<table>
<thead>
<tr>
<th>Appl State</th>
<th>Alm</th>
<th>DB</th>
<th>Reporting States</th>
<th>Proc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
</tbody>
</table>

   Do not proceed to feature activation if any of the above states are not Norm. If any of these are not Norm, corrective action should be taken to restore the non-Norm status to Norm before proceeding with the feature activation.

   If the Alarm (Alm) status is not Norm but only Minor alarms are present, it is acceptable to proceed with the feature activation. If there are Major or Critical alarms present, these alarms should be analyzed prior to proceeding with the feature activation. The activation may be able to proceed in the presence of certain Major or Critical alarms. Contact My Oracle Support (MOS) for assistance as necessary.

4. **NOAM VIP GUI**: Log current alarms

1. Navigate to **Alarms & Events -> View Active**.
   - **Alarms & Events**
     - View Active
     - View History
     - View Trap Log

2. Click **Report**.

3. **Save** or **Print** this report to keep copies for future reference.
Procedure 3. Perform Health Check (Pre Feature Activation)

5. NOAM VIP GUI: Log current alarms

1. Navigate to Alarms & Events -> View History.

2. Click Report.

3. Save or Print this report to keep copies for future reference.

5.2 Activation Procedures

This section provides the detailed procedure steps of the feature activation execution. These procedures are executed inside a maintenance window.

5.2.1 Feature Activation (Global-Admin/Meta-Admin)

Detailed steps for Mediation feature activation are provided in this procedure.

Procedure 4. Feature Activation (Global-Admin/Meta-Admin)

1. NOAM/SOAM VIP GUI: Logout

   Logout of any active NOAM and/or SOAM GUI sessions:

   Fri Aug 12 13:13:00 2016 EDT

2. NOAM VIP: Establish an SSH session to active NOAM

   Login as admusr.

   # ssh <active NOAM XMI IP address>

3. NOAM VIP: Navigate to the feature activation directory

   Navigate to the feature activation directory by executing the following command:

   # cd /usr/TKLC/dsr/prod/maint/loaders/
## Procedure 4.  Feature Activation (Global-Admin/Meta-Admin)

<table>
<thead>
<tr>
<th>NOAM VIP: Execute the feature activation script</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.</td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td></td>
</tr>
<tr>
<td><strong>Note:</strong> As an alternative, for 3-tiered architecture, you can also activate on all SOAM sites:</td>
</tr>
<tr>
<td></td>
</tr>
</tbody>
</table>
### Procedure 4. Feature Activation (Global-Admin/Meta-Admin)

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.</td>
<td><strong>Active SOAM GUI: Login</strong>&lt;br&gt;Establish a GUI session on the active SOAM server by using IP address of the SOAM server. Open the web browser and enter a URL of: <code>http://&lt;Active_SOAM_IP_Address&gt;</code>&lt;br&gt;Login as the <code>guiadmin</code> user:</td>
</tr>
<tr>
<td>6.</td>
<td><strong>Active SOAM GUI: Verify the Mediation folder is visible</strong>&lt;br&gt;Locate and verify the Mediation folder from Main Menu is visible and the Rule Templates menu item is present.</td>
</tr>
<tr>
<td>7.</td>
<td><strong>Log out of the active NOAM login shells and close the SSH connections</strong>&lt;br&gt;1. Log out of the active OAM login shell.&lt;br&gt;<code># exit</code>&lt;br&gt;2. Close the SSH connections.</td>
</tr>
</tbody>
</table>
5.2.2 Feature Activation (Global-Admin)

**Procedure 5. Feature Activation (Global-Admin)**

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
<th>Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. NOAM/ SOAM VIP GUI: Logout</td>
<td>Logout of any active NOAM and/or SOAM GUI sessions</td>
<td><img src="image" alt="Logout" /></td>
</tr>
<tr>
<td>2. NOAM VIP: Establish an SSH session to active NOAM</td>
<td>Login as <code>admusr</code>.</td>
<td><code># ssh &lt;active NOAM XMI IP address&gt;</code></td>
</tr>
<tr>
<td>3. NOAM VIP: Navigate to the feature activation directory</td>
<td>Navigate to the feature activation directory by executing the following command</td>
<td><code># cd /usr/TKLC/dsr/prod/maint/loaders/</code></td>
</tr>
</tbody>
</table>
### Procedure 5. Feature Activation (Global-Admin)

<table>
<thead>
<tr>
<th></th>
<th><strong>NOAM VIP:</strong> Execute the feature activation script</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>Run the feature activation script by executing the following command:</td>
</tr>
<tr>
<td>2.</td>
<td>Select <strong>Activate</strong>.</td>
</tr>
<tr>
<td>3.</td>
<td>Select <strong>Mediation</strong>.</td>
</tr>
<tr>
<td>4.</td>
<td>Select <strong>Global Admin</strong>.</td>
</tr>
<tr>
<td>5.</td>
<td>Select the SOAM site for which the application will be activated:</td>
</tr>
</tbody>
</table>

**Note:** As an alternative, for 3-tiered architecture, you can also activate on all SOAM sites:

Refer to Section 7.1 for output example.
### Procedure 5. Feature Activation (Global-Admin)

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Active SOAM GUI: Login</th>
<th>Establish a GUI session on the active SOAM server by using IP address of the SOAM server. Open the web browser and enter a URL of:</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.</td>
<td></td>
<td>http://&lt;Active_SOAM_IP_Address&gt;</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Login as the <em>guiadmin</em> user:</td>
</tr>
</tbody>
</table>

![Oracle System Login](image)

**Log In**
Enter your username and password to log in

<table>
<thead>
<tr>
<th>Field</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>Username</td>
<td></td>
</tr>
<tr>
<td>Password</td>
<td></td>
</tr>
<tr>
<td>Change password</td>
<td></td>
</tr>
</tbody>
</table>

Welcome to the Oracle System Login.

This application is designed to work with most modern HTML5 compliant browsers and uses both JavaScript and cookies. Please refer to the [Oracle Software Web Browser Support Policy](#) for details.

Unauthorized access is prohibited.

---

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Active SOAM GUI: Verify the Mediation folder is visible</th>
<th>Locate and verify the Mediation folder from Main Menu is visible and the Rule Templates menu item is present.</th>
</tr>
</thead>
<tbody>
<tr>
<td>6.</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Procedure</th>
<th>Log out of the active NOAM login shells and close the SSH connections</th>
<th>1. Log out of the active OAM login shell.</th>
</tr>
</thead>
<tbody>
<tr>
<td>7.</td>
<td></td>
<td># exit</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2. Close the SSH connections.</td>
</tr>
</tbody>
</table>
### 5.2.3 Feature Activation (Meta-Admin)

#### Procedure 6. Feature Activation (Meta-Admin)

| Step | Description | Command
<table>
<thead>
<tr>
<th></th>
<th></th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>1. NOAM/SOAM VIP GUI: Logout</td>
<td>Logout of any active NOAM and/or SOAM GUI sessions:</td>
<td></td>
</tr>
<tr>
<td>NOAM VIP: Establish an SSH session to active NOAM</td>
<td>Login as <code>admusr</code>.</td>
<td></td>
</tr>
<tr>
<td>NOAM VIP: Navigate to the feature activation directory</td>
<td>Navigate to the feature activation directory by executing the following command:</td>
<td></td>
</tr>
</tbody>
</table>
### Procedure 6. Feature Activation (Meta-Admin)

<table>
<thead>
<tr>
<th></th>
<th>NOAM VIP: Execute the feature activation script</th>
</tr>
</thead>
</table>
| 1. | Run the feature activation script by executing the following command:  

```bash
$ ./featureActivateDeactivate
```

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 2. | Select **Activate**.  

![Feature Activation Script]

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 3. | Select **Mediation**.  

![List of Feature]

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 4. | Select **Meta Admin**.  

<p>| | |</p>
<table>
<thead>
<tr>
<th></th>
<th></th>
</tr>
</thead>
</table>
| 5. | Select the SOAM site for which the application will be activated:  

**Note:** As an alternative, for 3-tiered architecture, you can also activate on all SOAM sites:  

![SOAM Site Selection]

Refer to Section 7.1 for output example.
### Procedure 6. Feature Activation (Meta-Admin)

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.</td>
<td><strong>Active SOAM GUI: Login</strong> Establish a GUI session on the active SOAM server by using IP address of the SOAM server. Open the web browser and enter a URL of: <strong>http://&lt;Active_SOAM_IP_Address&gt;</strong>&lt;br&gt;Login as the <em>guiadmin</em> user:</td>
</tr>
<tr>
<td>6.</td>
<td><strong>Active SOAM GUI: Verify the Mediation folder is visible</strong> Locate and verify the Mediation folder from Main Menu is visible and the Rule Templates menu item is present.</td>
</tr>
<tr>
<td>7.</td>
<td><strong>Log out of the active NOAM login shells and close the SSH connections</strong>&lt;br&gt;1. Log out of the active OAM login shell. <strong># exit</strong>&lt;br&gt;2. Close the SSH connections.</td>
</tr>
</tbody>
</table>
5.3 Post-Activation Procedures

5.3.1 Perform Health Check

This procedure determines the health and status of the DSR release network and servers.

Procedure 7. Perform Health Check (Post-Feature Activation)

<table>
<thead>
<tr>
<th>S T E P #</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>This procedure performs a post activation health check. Check off (✓) each step as it is completed. Boxes have been provided for this purpose under each step number. If this procedure fails, contact My Oracle Support (MOS) and ask for assistance.</td>
</tr>
<tr>
<td>1.</td>
<td>NOAM VIP GUI: Login</td>
</tr>
<tr>
<td></td>
<td>Establish a GUI session on the NOAM server by using the VIP address of the NOAM server. Open the web browser and enter a URL of:</td>
</tr>
<tr>
<td></td>
<td>http://&lt;Primary_NOAM_VIP_IP_Address&gt;</td>
</tr>
<tr>
<td></td>
<td>Login as the guiadmin user:</td>
</tr>
</tbody>
</table>

![Oracle System Login](image)
Procedure 7. Perform Health Check (Post-Feature Activation)

1. Navigate to Status & Manage -> Server.
   - Status & Manage
     - Network Elements
     - Server
     - HA
     - Database
     - KPIs

2. Verify all Server Status is Normal (Norm) for:
   - Replication (Repl), Collection (Coll), Database (DB), High Availability (HA), and Processes (Proc).

3. Navigate to Alarms & Events -> View Active.
   - Alarms & Events
     - View Active
     - View History
     - View Trap Log

4. Navigate to Alarms & Events -> View History.

5. Compare reports
   - Compare the logged alarms with those logged from before the feature activation. If there are any new alarms present, those new alarms should be analyzed to verify they did not result from a problem with the feature activation. Contact my Oracle Support (MOS) if necessary.
6. Feature Deactivation

Initially, there is a primary – if not singular – planned use case for Mediation feature activation. It is expected that Oracle personnel following this Feature Activation document activate the Mediation feature on a customer’s DSR NE, define one or more Rule Templates as required for that customer, and then deactivate the Meta-Administrator privilege. Once Oracle personnel define the Rule Templates, customer personnel then use the Rule Set Administrator interface to define the specific rules that govern mediation actions taken by the DSR.

This use case requires that there be a Mediation deactivation procedure with different privilege, which is defined in the following sections.

6.1 Pre-Deactivation Procedures

Before beginning the feature deactivation, complete the Pre-Deactivation procedure below.

6.1.1 Perform Health Check

This procedure determines the health and status of the DSR network and servers.

Procedure 8. Perform Health Check (Pre-Feature Deactivation)

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>SOAM VIP GUI: Login</td>
</tr>
</tbody>
</table>

Establish a GUI session on the SOAM server by using the VIP address of the SOAM server. Open the web browser and enter a URL of:

```
http://<Primary_SOAM_VIP_IP_Address>
```

Login as the `guiadmin` user:

Welcome to the Oracle System Login.
Procedure 8. Perform Health Check (Pre-Feature Deactivation)

2. NOAM VIP GUI: Verify Mediation state

1. Under **Main Menu**, verify the Mediation folder is present on NOAM and SOAM (3-tiered).
2. Depending on your activation, verify **Global Admin**, or **Rule Templates** if Meta Admin is activated.

*Note:* There is no need to complete this deactivation procedure if you are trying to deactivate:
- Meta Admin and the Rule Templates menu item is not present
- Global Admin and the Mediation folder is not present

3. NOAM VIP GUI: Verify server status

1. Navigate to **Status & Manage -> Server**.

2. Verify all Server Status is **Normal (Norm)** for:
   - Replication (Repl), Collection (Coll), Database (DB), High Availability (HA), and Processes (Proc).

<table>
<thead>
<tr>
<th>Appl State</th>
<th>Alm</th>
<th>DB</th>
<th>Reporting States</th>
<th>Proc</th>
</tr>
</thead>
<tbody>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
<tr>
<td>Enabled</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
<td>Norm</td>
</tr>
</tbody>
</table>

Do not proceed to feature activation if any of the above states are not Norm. If any of these are not Norm, corrective action should be taken to restore the non-Norm status to Norm before proceeding with the feature activation.

If the Alarm (Alm) status is not Norm but only Minor alarms are present, it is acceptable to proceed with the feature activation. If there are Major or Critical alarms present, these alarms should be analyzed prior to proceeding with the feature activation. The activation may be able to proceed in the presence of certain Major or Critical alarms. Contact My Oracle Support (MOS) for assistance as necessary.
### Procedure 8. Perform Health Check (Pre-Feature Deactivation)

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>4.</td>
<td>NOAM VIP GUI: Log current alarms</td>
</tr>
<tr>
<td></td>
<td>1. Navigate to <strong>Alarms &amp; Events</strong> -&gt; <strong>View Active</strong>.</td>
</tr>
<tr>
<td></td>
<td>2. Click <strong>Report</strong>.</td>
</tr>
<tr>
<td></td>
<td>3. <strong>Save</strong> or <strong>Print</strong> this report to keep copies for future reference.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.</td>
<td>NOAM VIP GUI: Log current alarms</td>
</tr>
<tr>
<td></td>
<td>1. Navigate to <strong>Alarms &amp; Events</strong> -&gt; <strong>View History</strong>.</td>
</tr>
<tr>
<td></td>
<td>2. Click <strong>Report</strong>.</td>
</tr>
<tr>
<td></td>
<td>3. <strong>Save</strong> or <strong>Print</strong> this report to keep copies for future reference.</td>
</tr>
</tbody>
</table>

### 6.2 Deactivation Procedures

#### 6.2.1 Feature Deactivation (Global-Admin/Meta-Admin)

This section provides the detailed steps of the Mediation de-activation procedures.

### Procedure 9. Feature Deactivation (Global-Admin/Meta-Admin)

<table>
<thead>
<tr>
<th>Step #</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>NOAM/SOAM VIP GUI: Logout</td>
</tr>
<tr>
<td></td>
<td>Logout of any active NOAM and/or SOAM GUI sessions:</td>
</tr>
<tr>
<td></td>
<td>Logoff of any active NOAM and/or SOAM GUI sessions:</td>
</tr>
</tbody>
</table>

---

Check off (✓) each step as it is completed. Boxes have been provided for this purpose under each step number.

If this procedure fails, contact My Oracle Support (MOS) and ask for assistance.
### Procedure 9. Feature Deactivation (Global-Admin/Meta-Admin)

<table>
<thead>
<tr>
<th>Step</th>
<th>Task</th>
<th>Details</th>
</tr>
</thead>
</table>
| 2.   | NOAM VIP: Establish an SSH session to active NOAM | Login as `admusr`.  
`# ssh <active NOAM XMI IP address>` |
| 3.   | NOAM VIP: Navigate to the feature activation directory | Navigate to the feature activation directory by executing the following command:  
`# cd /usr/TKLC/dsr/prod/maint/loaders/` |
| 4.   | NOAM VIP: Execute the feature activation script |  
1. Run the feature activation script by executing the following command:  
`$ ./featureActivateDeactivate`  
2. Select **Deactivate**.  
3. Select **Mediation**.  
4. Select **Global Admin**.  
5. Select **Meta Admin**.  
6. Select the SOAM site for which the application will be activated:  
**Note**: As an alternative, for 3-tiered architecture, you can also activate on all SOAM sites:  
`Enter your choice on which SOAM you want to activate or deactivate the feature:`  
Refer to Section 7.1 for output example. |
### Procedure 9. Feature Deactivation (Global-Admin/Meta-Admin)

<table>
<thead>
<tr>
<th>Step</th>
<th>Action</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.</td>
<td><strong>Active SOAM GUI: Login</strong>&lt;br&gt;A GUI session on the active SOAM server by using IP address of the SOAM server. Open the web browser and enter a URL of: &lt;br&gt;http://&lt;Active_SOAM_IP_Address&gt;&lt;br&gt;Login as the guiadmin user:</td>
</tr>
<tr>
<td>6.</td>
<td><strong>Active SOAM GUI: Verify the Mediation folder is no longer visible</strong>&lt;br&gt;Verify the Mediation folder on the Main Menu has disappeared.</td>
</tr>
<tr>
<td>7.</td>
<td><strong>Log out of the active OAM login shells and close the SSH connections</strong>&lt;br&gt;1. Log out of the active OAM login shell.&lt;br&gt;   <code># exit</code>&lt;br&gt;2. Close the SSH connections.</td>
</tr>
</tbody>
</table>
### 6.2.2 Feature Deactivation (Global-Admin)

**Procedure 10. Feature Deactivation (Global-Admin)**

<table>
<thead>
<tr>
<th>STEP</th>
<th>Description</th>
<th>Command</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>NOAM/SOAM VIP GUI: Logout</td>
<td>Logout of any active NOAM and/or SOAM GUI sessions:</td>
</tr>
<tr>
<td></td>
<td></td>
<td><a href="https://example.com">Logout</a></td>
</tr>
<tr>
<td>2.</td>
<td>NOAM VIP: Establish an SSH session to active NOAM</td>
<td>Login as <code>admusr</code>.</td>
</tr>
<tr>
<td></td>
<td></td>
<td><code>ssh &lt;active NOAM XMI IP address&gt;</code></td>
</tr>
<tr>
<td>3.</td>
<td>NOAM VIP: Navigate to the feature activation directory</td>
<td>Navigate to the feature activation directory by executing the following command:</td>
</tr>
<tr>
<td></td>
<td></td>
<td><code>cd /usr/TKLC/dsr/prod/maint/loaders/</code></td>
</tr>
</tbody>
</table>

This procedure deactivates Mediation. Check off (✓) each step as it is completed. Boxes have been provided for this purpose under each step number. If this procedure fails, contact My Oracle Support (MOS) and ask for assistance.
### Procedure 10. Feature Deactivation (Global-Admin)

<table>
<thead>
<tr>
<th></th>
<th>NOAM VIP: Execute the feature activation script</th>
</tr>
</thead>
</table>
| 1. | Run the feature activation script by executing the following command:  
|    | $ ./featureActivateDeactivate                      |
| 2. | Select **Deactivate**.                            |
| 3. | Select **Mediation**.                             |
| 4. | Select **Global Admin**.                          |
| 5. | Select the SOAM site for which the application will be activated:  
|    | **Note:** As an alternative, for 3-tiered architecture, you can also activate on all SOAM sites:  
|    | Refer to Section 7.1 for output example.          |
## Procedure 10. Feature Deactivation (Global-Admin)

<table>
<thead>
<tr>
<th>Step</th>
<th>Description</th>
<th>Action</th>
</tr>
</thead>
</table>
| 5.   | **Active SOAM GUI: Login** | Establish a GUI session on the active SOAM server by using IP address of the SOAM server. Open the web browser and enter a URL of:  

```
http://<Active_SOAM_IP_Address>
```

Login as the `guiadmin` user: |
| 6.   | **Active SOAM GUI: Verify the Mediation folder is no longer visible** | Verify the Mediation folder on the Main Menu has disappeared. |
| 7.   | **Log out of the active NOAM login shells and close the SSH connections** | 1. Log out of the active OAM login shell.  

```
# exit
```

2. Close the SSH connections. |
6.2.3 Feature Deactivation (Meta-Admin)

Procedure 11. Feature Deactivation (Meta-Admin)

<table>
<thead>
<tr>
<th>STEP #</th>
<th>Feature Deactivation Procedure</th>
</tr>
</thead>
</table>

This procedure deactivates Mediation. Check off (✓) each step as it is completed. Boxes have been provided for this purpose under each step number.

If this procedure fails, contact My Oracle Support (MOS) and ask for assistance.

1. **NOAM/SOAM VIP GUI: Logout**
   - Logout of any active NOAM and/or SOAM GUI sessions:

   ![Logout Screen](image)

2. **NOAM VIP: Establish an SSH session to active NOAM**
   - Login as `admusr`.
   - `ssh <active NOAM XMI IP address>`

3. **NOAM VIP: Navigate to the feature activation directory**
   - Navigate to the feature activation directory by executing the following command:
     ```
     cd /usr/TKLC/dsr/prod/maint/loaders/
     ```
**Procedure 11. Feature Deactivation (Meta-Admin)**

1. Run the feature activation script by executing the following command:
   
   ```bash
   $ ./featureActivateDeactivate
   ```

2. Select **Deactivate**.

   ![Feature activation menu](image)

3. Select **Mediation**.

   ![List of features](image)

4. Select **Meta Admin**.

5. Select the SOAM site for which the application will be activated:

   **Note:** As an alternative, for 3-tiered architecture, you can also activate on all SOAM sites:

   ![SOAM server configuration](image)

   Refer to Section 7.1 for output example.
### Procedure 11. Feature Deactivation (Meta-Admin)

<table>
<thead>
<tr>
<th>Step</th>
<th>Active SOAM GUI: Login</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>5.</td>
<td></td>
<td>Establish a GUI session on the active SOAM server by using IP address of the SOAM server. Open the web browser and enter a URL of: http://&lt;Active_SOAM_IP_Address&gt; Login as the guiadmin user:</td>
</tr>
<tr>
<td>6.</td>
<td>Active SOAM GUI: Login</td>
<td>Verify the Mediation folder on the Main Menu has disappeared.</td>
</tr>
</tbody>
</table>
| 7.   | Log out of the active NOAM login shells and close the SSH connections | 1. Log out of the active OAM login shell.  
   # exit  
   2. Close the SSH connections. |
6.3 Post-Deactivation Procedures

To complete a deactivation, complete the Post-Deactivation procedure below.

6.3.1 Perform Health Check

This procedure determines the health and status of the network and servers.

Procedure 12. Perform Health Check (Post-Feature Deactivation)

<table>
<thead>
<tr>
<th>STEP</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>NOAM VIP GUI: Establish a GUI session on the NOAM server by using the VIP address of the NOAM server. Open the web browser and enter a URL of: http://&lt;Primary_NOAM_VIP_IP_Address&gt; Login as the guiadmin user:</td>
</tr>
</tbody>
</table>

Login as the **guiadmin** user:
Procedure 12. Perform Health Check (Post-Feature Deactivation)

2. NOAM VIP GUI: Verify server status

1. Navigate to Status & Manage -> Server.
   - Status & Manage
     - Network Elements
     - Server
     - HA
     - Database
     - KPIs

2. Verify all Server Status is Normal (Norm) for:
   - Replication (Repl), Collection (Coll), Database (DB), High Availability (HA), and Processes (Proc).

3. NOAM VIP GUI: Log current alarms

1. Navigate to Alarms & Events -> View Active.
   - Alarms & Events
     - View Active
     - View History
     - View Trap Log

2. Click Report.
   - Export
   - Report
   - Clear Selections

3. Save or Print this report to keep copies for future reference.
   - Print
   - Save
   - Back

4. NOAM VIP GUI: Log current alarms

1. Navigate to Alarms & Events -> View History.
   - Alarms & Events
     - View Active
     - View History
     - View Trap Log

2. Click Report.
   - Export
   - Report
   - Clear Selections

3. Save or Print this report to keep copies for future reference.
   - Print
   - Save
   - Back

5. Compare reports

Compare the logged alarms with those logged from before the feature activation. If there are any new alarms present, those new alarms should be analyzed to verify they did not result from a problem with the feature activation. Contact my Oracle Support (MOS) if necessary.
7. Engineering Notes

**FIPS integrity verification test failed**: In DSR 7.1+, you may see ‘FIPs integrity verification test failed’ message displayed during the activation/Deactivation output, this message is expected and harmless.

7.1 Sample Output of Activation (Active NOAM)

```bash
Run script to activate Mediation feature:
[admusr@RDU03NO-Server loaders]$ ./featureActivateDeactivate
Wed Nov 8 01:07:03 EST 2017::Starting featureActivateDeactivate main...
Start the Automation script, To run the Feature Activation/DeActivation on Active NO.
You want to Activate or Deactivate the Feature:
1. Activate
2. Deactivate
Enter your choice: 1
List of Feature you can Activate:
1. RBAR
2. FABR
3. Mediation
4. LoadGen
5. GLA
6. MAP Interworking
7. DTLS
8. DCA Framework
9. DCA Application
Enter the choice: 3
If you want to activate mediation then provide the option that you want to enable:
1. Global Admin
2. Meta Admin
3. Global Admin & Meta_Admin
Enter your choice: 3
Run script to Activate mediation Feature
=======================================S-T-A-R-T=======================================
Execution of Activation/Deactivation Process Starts
========================================================================================
Starting Activation/Deactivation process....
Executing /usr/TKLC/dsr/prod/maint/loaders/activate/load.mediationActivateAsourced script on RDU03NO-Server
=======================================
Add CAPM KPI group to table
KPIVisibility
```
Add CAPM Measurement groups to table MeasVisibility

There is no Standby NOAMP server configured in the Topology

The Active SO server configured in the Topology are

1. RDU03SO-Server
2. ALL S0s

Enter your choice on which SO you want to Activate or Deactivate the Feature : 2

Activate/Deactivate mediation on all S0s configured in the Topology

This is a 3 Tier Setup, So run the B sourced loaders on SO server: RDU03SO-Server

Executing /usr/TKLC/dsr/prod/maint/loaders/activate/load.mediationActivateBsourced script with both Global_Admin_State and Meta_Administrator_Privilege for mediation on RDU03SO-Server

FIPS integrity verification test failed.

Mediation Activation Output

=== changed 1 records ===

Global-Admin-State successfully enabled.

=== changed 1 records ===

Mediation Meta-Administrator successfully activated.

FIPS integrity verification test failed.

Executing the Loaders and Clearing Cache on Standby SO servers.

There is no Standby/Spare SOAMP server configured in the Topology
7.2 Sample Output of Deactivation (Active NOAM)

[admusr@RDU03NO-Server loaders]$ ./featureActivateDeactivate

Wed Nov  8 01:06:15 EST 2017::Starting featureActivateDeactivate main...

Start the Automation script , To run the Feature Activation/DeActivation on Active NO.

You want to Activate or Deactivate the Feature :

1. Activate
2. Deactivate

Enter your choice : 2

Which Feature you want to DeActivate :

1. RBAR
2. FABR
3. Mediation
4. LoadGen
5. GLA
6. MAP Interworking
7. DTLS
8. DCA Framework
9. DCA Application

Enter your choice : 3

If you want to deactivate mediation then provide the Input Flag :

1. Global Admin
2. Meta Admin
3. Global Admin & Meta Admin

Enter your choice : 3

Run script to Deactivate mediation Feature

Execution of Activation/Deactivation Process Starts

Starting Activation/Deactivation process....

The Active SO server configured in the Topology are

1. RDU03SO-Server
2. ALL SOs

Enter your choice on which SO you want to Activate or Deactivate the Feature : 2

Verifying feature is activated or not on RDU03SO-Server

FIPS integrity verification test failed.

MEDIATION is activated on RDU03SO-Server with Global and Meta Admin Privileges
Executing /usr/TKLC/dsr/prod/maint/loaders/deactivate/load.mediationDeactivateAsourced script on RDU03NO-Server

Removing CAPM KPI group from table KPIVisibility

== deleted 1 records ==

Removing CAPM Measurement Groups from table MeasVisibility

== deleted 1 records ==

There is no Mate NOAMP server configured in the Topology

Activate/Deactivate mediation on all SOs configured in the Topology

This is a 3 Tier Setup, So run the B sourced loaders on SO server: RDU03SO-Server

Executing /usr/TKLC/dsr/prod/maint/loaders/deactivate/load.mediationDeactivateBsourced script

with both Global_Admin_State and Meta_Administrator_Privilege for mediation on RDU03SO-Server

FIPS integrity verification test failed.

Mediation Deactivation Output

== changed 1 records ==

Mediation Meta-Administrator successfully deactivated.

== changed 1 records ==

Global-Admin-State successfully disabled.

FIPS integrity verification test failed.

Executing the Loaders and Clearing Cache on Standby SO servers.

There is no Standby/Spare SOAMP server configured in the Topology

Do you want to activate/deactivate this feature on another System OAM Server[Y/N] : n
Appendix A. My Oracle Support (MOS)

MOS (https://support.oracle.com) is your initial point of contact for all product support and training needs. A representative at Customer Access Support (CAS) can assist you with MOS registration.

Call the CAS main number at 1-800-223-1711 (toll-free in the US), or call the Oracle Support hotline for your local country from the list at http://www.oracle.com/us/support/contact/index.html. When calling, make the selections in the sequence shown below on the Support telephone menu:

1. Select 2 for New Service 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 MOS, select 2.

You are connected to a live agent who can assist you with MOS registration and opening a support ticket. MOS is available 24 hours a day, 7 days a week, 365 days a year.