Oracle® COMMUNICATIONS

Policy Management Feature Activation

Release 12.2

Enhanced Priority for eMPS Based Wireless Priority Services

E82613-01
February 2017

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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*.

ORACLE

TABLE OF CONTENTS

1. Contacts and Customer Care

1.1 Oracle Customer Care

The Oracle Customer Care Center is your initial point of contact for all product support needs. A representative takes your call or email, creates a Customer Service Request (CSR) and directs your requests to the Oracle Technical Assistance Center (TAC). Each CSR includes an individual tracking number. Together with TAC Engineers, the representative will help you resolve your request. The Customer Care Center is available 24 hours a day, 7 days a week, 365 days a year, and is linked to TAC Engineers around the globe.

Oracle TAC Engineers are available to provide solutions to your technical questions and issues 7 days a week, 24 hours a day. After a CSR is issued, the TAC Engineer determines the classification of the trouble. If a critical problem exists, emergency procedures are initiated. If the problem is not critical, normal support procedures apply. A primary Technical Engineer is assigned to work on the CSR and provide a solution to the problem. The CSR is closed when the problem is resolved.

Oracle Technical Assistance Centers are located around the globe in the following locations:
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CAUTION:
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*.

1.2 Acronyms and Terms

Acronym	Definition
AAA	Authorization Authentication Answer (Diameter message)
AAR	Authorization Authentication Request (Diameter message)
AF	Application Function
CMP	Configuration Management Platform
DRMP	Diameter Routing Message Priority
e-MPS	Enhanced Multimedia Priority Service
Gx	3GPP reference point between PCEF and PCRF
Load Shedding	A method of temporarily reducing the offered load when the demand becomes greater than the ability of the process to handle it.
MPE	Multimedia Policy Engine
MRA	Multiprotocol Routing Agent (also referred to as the Policy Front End (PFE)
ORACLE COMMUNICATIONS POLICY MANAGEMENT'	Oracle Communications Policy Manager
PCEF	Policy Control Enforcement Function (GGSN, PGW, DPI)
PCRF	Policy and Charging Rules Function
P-CSCF	Proxy CSCF (Call Session Control Function)
PGW	Packet Gateway
Priority	The relative importance of a Diameter message. A higher priority value implies a higher relative importance of the message.
RAR	Re-Authorization Request (Diameter message)
Rx	3GPP reference point between the PCRF and Application Function (AF) such as a P-CSCF

2. Purpose and Scope

This Work Instruction describes the steps needed to enable and configure the “Enhanced Priority for eMPS Based Wireless Priority Services” feature in Wireless mode of Oracle Communications Policy Management solution and the steps needed to disable it if required by customer.

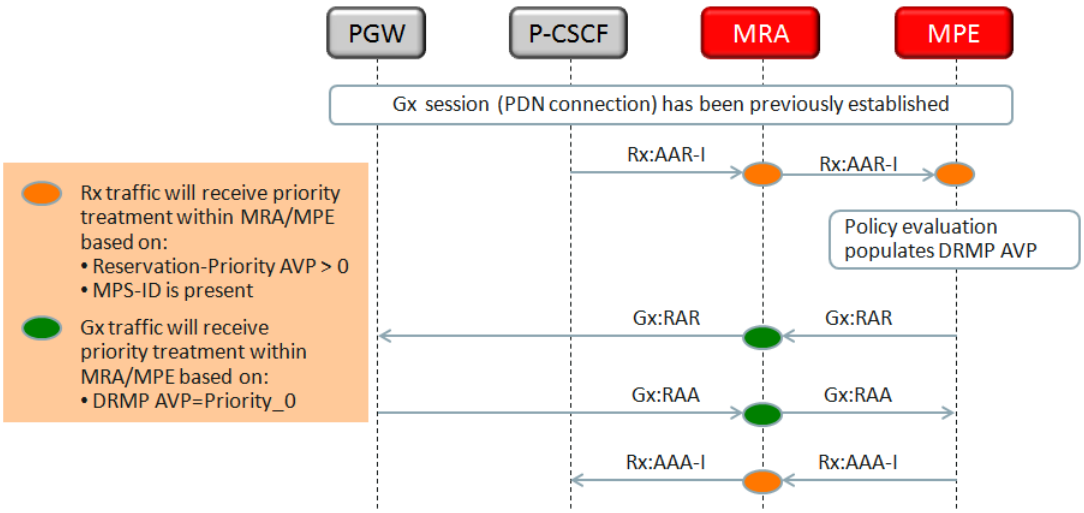
This feature enables Oracle PCRF Release 12.2 to support Multimedia Priority Support as defined in 3GPP 29.212 and Diameter message priority mechanism defined in Annex J of 3GPP TS 29.213.

3. High Level Solution

This enhancement allows Oracle Communications Policy Manger (ORACLE COMMUNICATIONS POLICY MANAGEMENT') to:

- Recognize that an incoming Rx request is for an emergency service (e.g., 911 in the US)
- Notify the PGW (and any intermediary nodes) that this is a high priority message by setting and sending a new optional AVP called DRMP (Diameter Routing Message Priority) in a RAR
- Ensure that messages associated with priority calls are not shed on either the MPE or the MRA with new load shedding rules unless absolutely necessary
- When all priority sessions are terminated, instruct the PGW to revert to the behaviors defined before the priority session as established (current functionality)

The message flow is summarized in below:



eMPS Message Flow With Message Prioritization (During Congestion)

4. CMP GUI changes

New policy actions are defined to set DRMP AVP to specified value. The action is exposed to user when "Diameter 3GPP" mode is enabled. User can use the existing policy conditions, combined with the new policy action, to add the DRMP AVP and assign a priority level to messages.

4.1 Policy Library New Actions

Policy Condition Group	Policy Condition or Action	Description
NA	**Optional actions: set DRMP AVP to DRMP Level in Re-Authorized Request**	This action is exposed to user when mode "Diameter 3GPP" is enabled. It is used to set the DRMP AVP to specified priority level in Gx: RAR messages. Only one value can be specified. The **DRMP Level** can be one of: • *PRIORITY_0 value 0 (highest priority)* • *PRIORITY_1 value 1* • *PRIORITY_2 value 2* • *PRIORITY_3 value 3* • *PRIORITY_4 value 4* • *PRIORITY_5 value 5* • *PRIORITY_6 value 6* • *PRIORITY_7 value 7* • *PRIORITY_8 value 8* • *PRIORITY_9 value 9* • *PRIORITY_10 value 10* • *PRIORITY_11 value 11* • *PRIORITY_12 value 12* • *PRIORITY_13 value 13* • *PRIORITY_14 value 14* • *PRIORITY_15 value 15 (lowest priority)*

4.2 Examples of using the new action in policies

- The following policy checks the value of AVPs “Reservation-Priority” and “MPS-Identifier”. If a Diameter message matches the condition, the triggered Gx: RAR messages include the DRMP AVP with PRIORITY_0.

where the requested session reservation priority is one of ***DEFAULT***
And where the request MPS Identifier ***matches one of MPSID1,MPSID2,MPSID3,MPSID4***
set DRMP AVP to ***PRIORITY_0*** in Re-Authorized Request
continue processing message

- The following policy checks the existence of AVP “Reservation-Priority” and the value of AVP “MPS-Identifier”. If a Diameter message matches the condition, the triggered Gx: RAR messages include the DRMP AVP with PRIORITY_1.

where the request AVP ***Reservation-Priority:13019 exists***
And where the request MPS Identifier ***matches one of MPSID1,MPSID2,MPSID3,MPSID4***
set DRMP AVP to ***PRIORITY_1*** in Re-Authorized Request
continue processing message

- The following policy table checks the value of AVPs “Reservation-Priority” and “MPS-Identifier”, and sets the DRMP to the specified value.

MPSIdentify REQUEST.AVP.MPS-Identifier:10415	Reservation Request.ReservationPriority	DRMP
*	0	PRIORITY_0
MPSID1	1	PRIORITY_1
MPSID2	2	PRIORITY_2
MPSID3	3	PRIORITY_3
MPSID4	4	PRIORITY_4
MPSID5	5	PRIORITY_5
MPSID6	6	PRIORITY_6
MPSID7	7	PRIORITY_7

Note: * is wildcard matches any value.

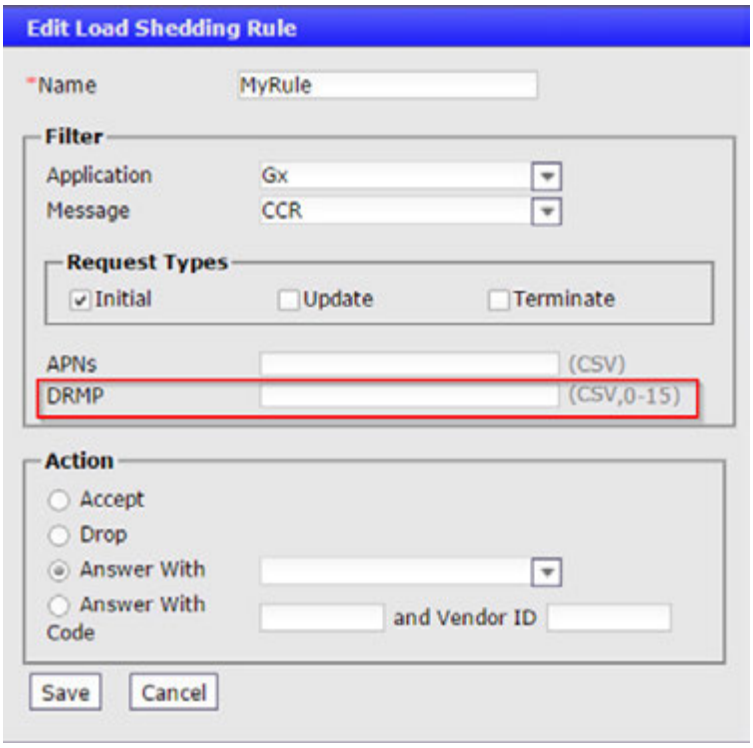
Note: “Priority_0” is the highest DRMP priority

4.3 User Interface Changes

These configuration changes are applicable to Diameter 3GPP mode only.

In the MPE and MRA, on the Load Shedding Rules edit page, when Application is <Gx> and Message is <CCR>, parameter “DRMP” has been added .

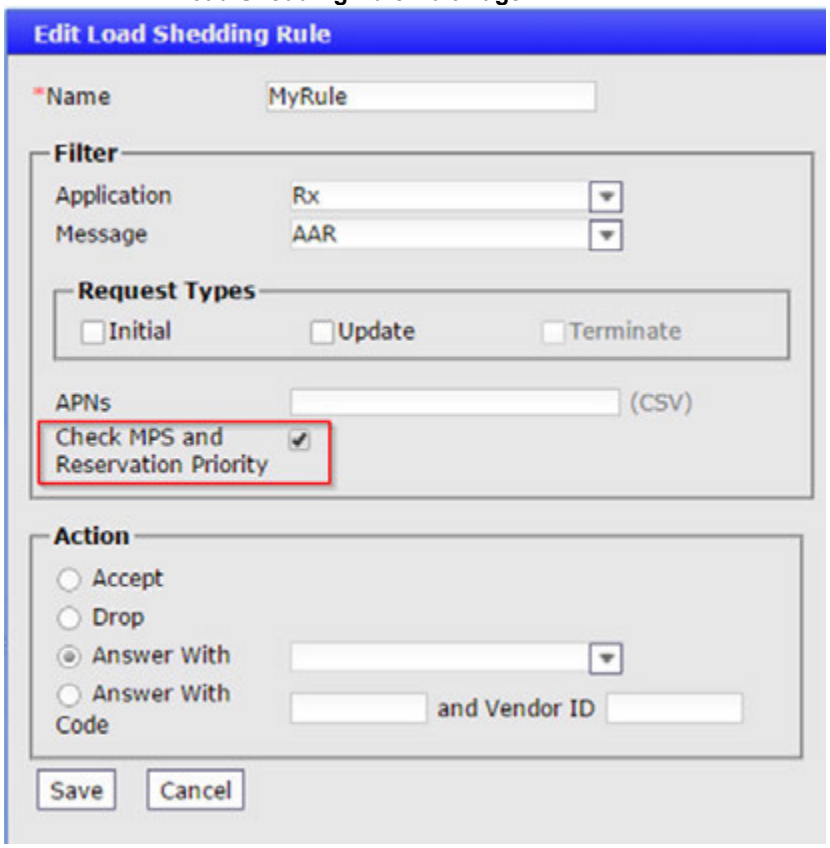
Load Shedding Rule Edit Page: Gx CCR



Parameter:
DRMP: value from 0 to 15, if there is more than one value, use comma to separates values. Such as: 1,2,3…. The parameter is used to check the DRMP AVP value in messages.

In MPE and MRA Load Shedding Rule edit page, when Application is <Rx> and Message is <AAR>, parameter “Check MPS and Reservation Priority” has been added.

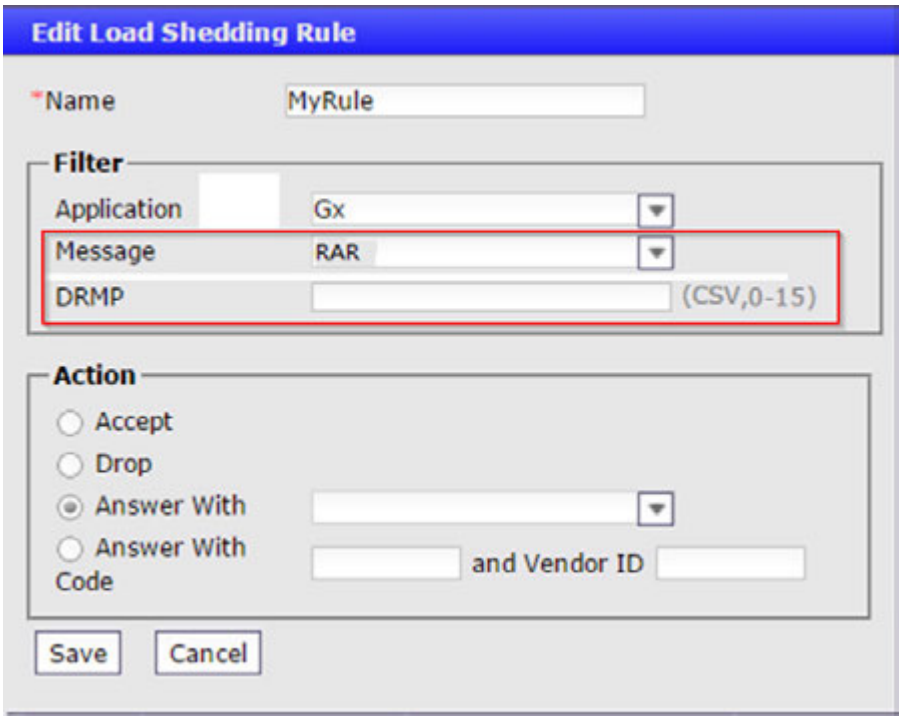
Load Shedding Rule Edit Page: Rx AAR



Parameter:
Check MPS and Reservation Priority: Check the existence of AVPs: “MPS-Identifier” and “Reservation-Priority” in the incoming diameter message, in this case an RX interface AAR message

In MRA Load Shedding Rule edit page, when Application is <Gx>, <RAR> message type is added. And parameter [DRMP] is also added

Load Shedding Rule Edit Page: Gx RAR

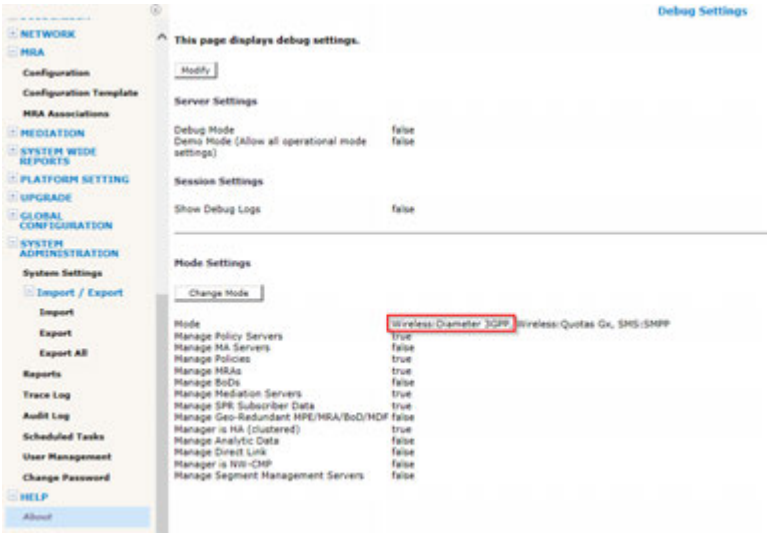


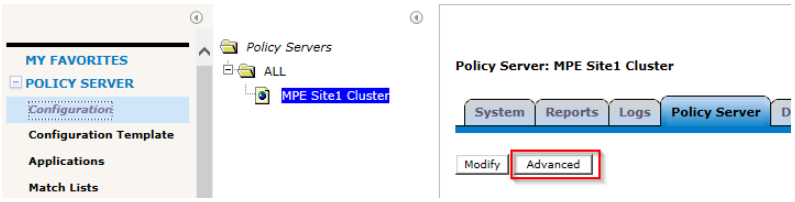
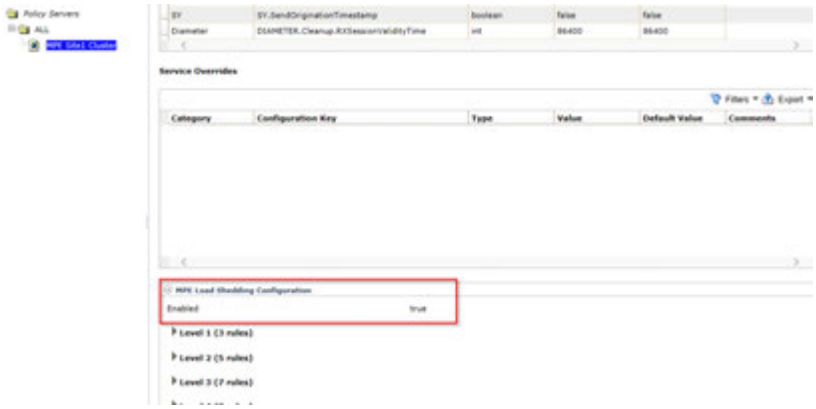
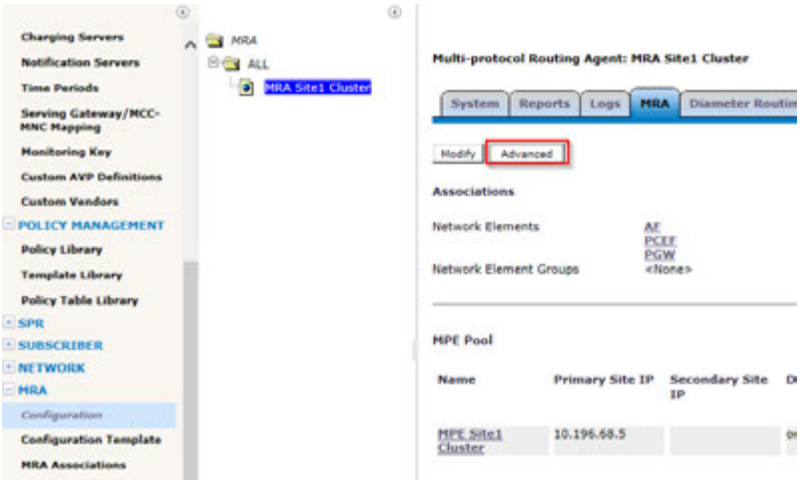
Parameter:
DRMP: value from 0 to 15, if there is more than one value, use comma to separate values. Such as: 1,2,3. The parameter is used to check the DRMP AVP value in messages. If no DRMP value is entered the shedding rule will not pass a validation check.

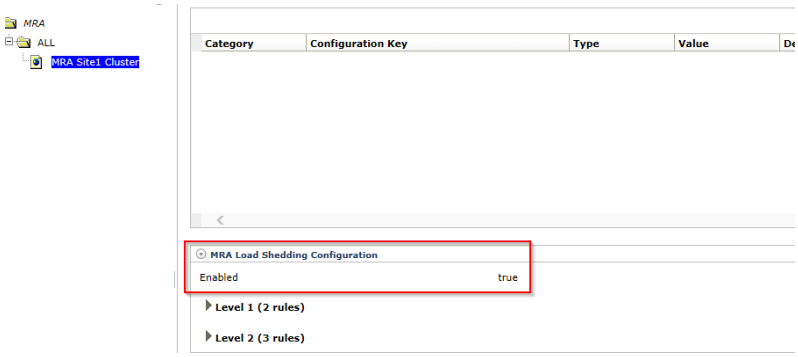
5. Procedure To Enable The Feature

Note: This procedure adds new rules to the default load shedding rule group manually. This is only required for upgrades from earlier versions of Oracle Communications Policy Manager that do not support this feature. For a new install of ORACLE COMMUNICATIONS POLICY MANAGEMENT' 12.2, the CMP configuration has these rules already added into default rule group so no manual operation is required.

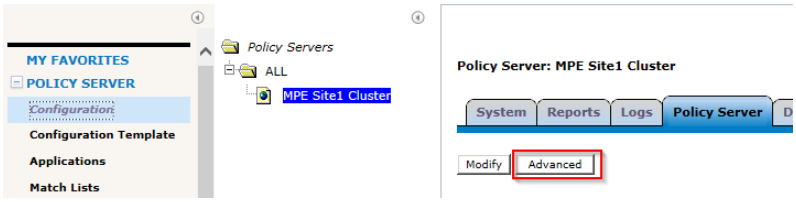
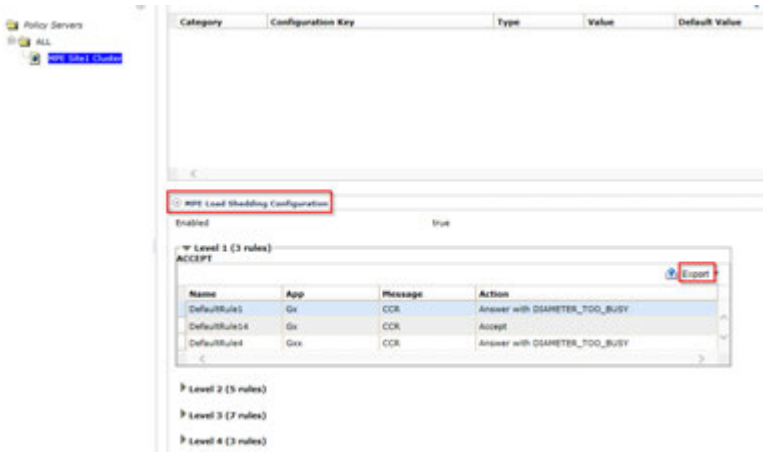
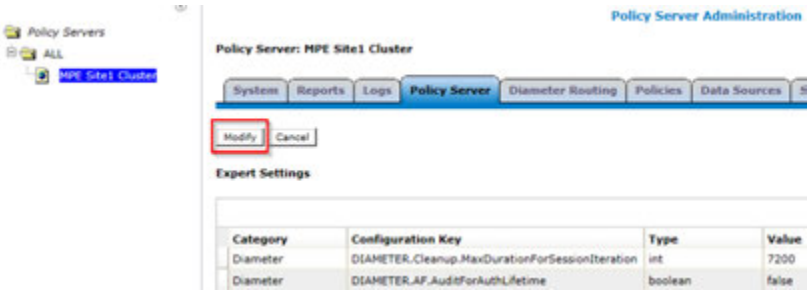
After fresh install or upgrade, the new AVP "DRMP" is defined in Diameter dictionary but the AVP won't be added to Diameter messages (i.e. Gx:RAR) by default unless a Policy action as described in section [4.2] is triggered.

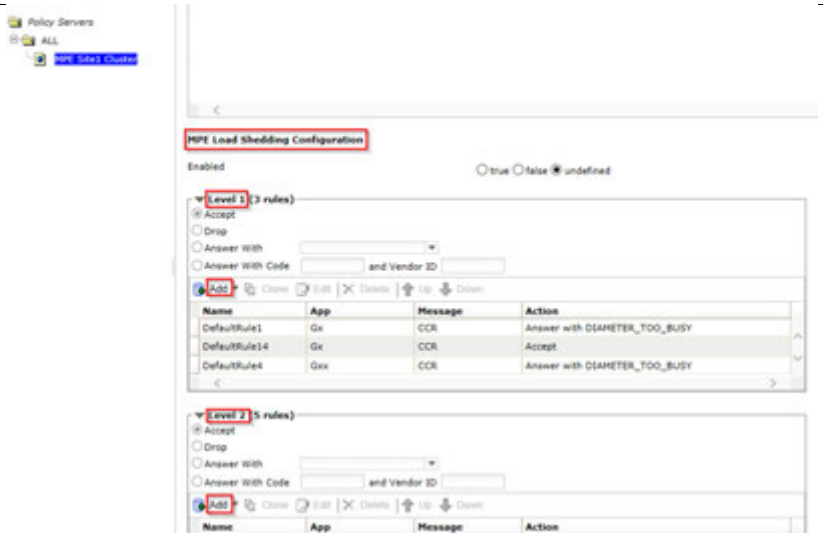
Pre-Enable Steps			
Step	Action	Expected Results	Pass | Fail
1	Validate CMP Mode settings	CMP GUI: Help → About →Highlight the screen to reveal the small square (marked by the red circle below) then click it  Validate that "Wireless: Diameter 3GPP" mode has been enabled. If 3GPP mode is not enabled and this feature needs to be enabled, contact "My Oracle Support" as changing modes on operational equipment may have additional considerations. 	

2	Confirm that load shedding is enabled on MPE and MRA	CMP GUI: Policy Server → Configuration → <*MPE cluster that is to be checked* > → Policy Server Tab • Click "Advanced"  • Scroll to the "MPE Load Shedding Rules", and confirm load shedding rules are "Enabled".  CMP GUI: MRA → Configuration → <MRA cluster that is to be checked > → MRA Tab • Click "Advanced"  • Scroll to the "MRA Load Shedding Rules", and confirm load shedding	

		rules are “Enabled”.  Note: Load shedding rules are enabled by default. Load shedding can be enabled/disabled by choosing the radio button that corrersponds to the required configuration. In addition to choosing the radio button “enabled” to enable load shedding, if the radio button “undefined” is selected, the operational state of the load shedding will also be “enabled”  	

Enable Steps			
Step	Action	Expected Results	Pass | Fail

1	For MPE: Modify "Load Shedding Configuration"	CMP GUI: Policy Server → Configuration → <*MPE cluster that is to be modified* > → Policy Server Tab • Click "Advanced"  • Scroll to the "MPE Load Shedding Rules", expand the "Levels" and note the existing rules. There is an export button if needed to document the existing configuration.  • At the top of the tab, click on "**Modify"** to add load shedding rules  • Scroll to "MPE Load Shedding Configuration" and expand the rule levels to expose the "add" dialog.	



- There will be 5 load shedding rules added for the MPE as follows:

  a. Add Gx rule as below on Level 1, Level 2

  Application : Gx

  Message: CCR

  Request Type: Initial

  DRMP : 0

  Action : Accept

  b. Add Gx rule as below on Level 3

  Application : Gx

  Message: CCR

  Request Type: Initial & Update

  DRMP : 0

  Action : Accept

  c. Add Rx rule as below on Level 2

Application : Rx

Message: AAR

Request Type: Initial

MPS-Identifier & Reservation-Priority: present

Action : Accept

d. Add Rx rule as below on Level 3

Application : Rx

Message: AAR

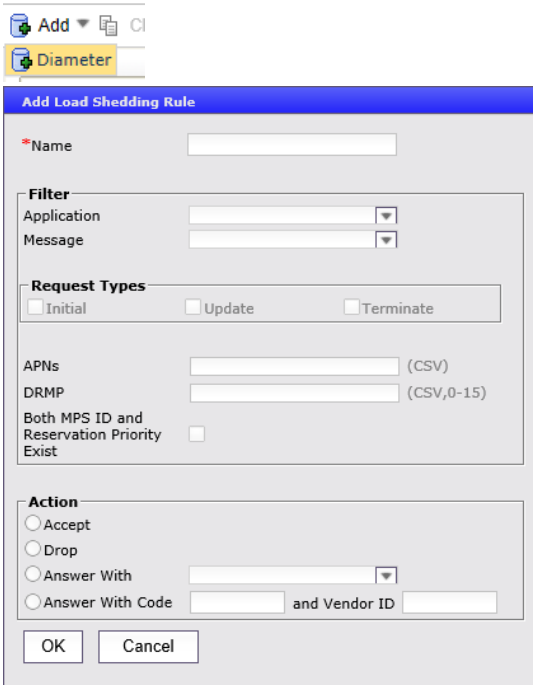
Request Type: Initial & Update

MPS-Identifier & Reservation-Priority: present

Action : Accept

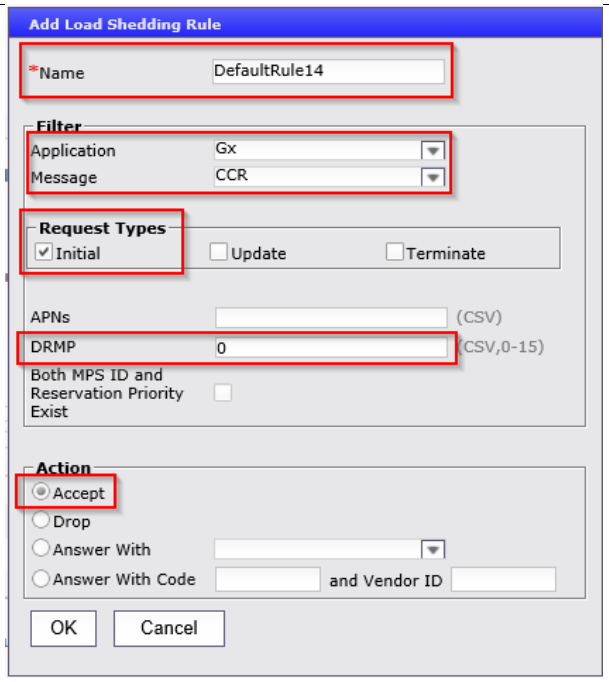
For example, rule (a) will be added to level 1 as follows.

- Click on "add" "Diameter" for Rule level 1 and launch the "Add Load Shedding Rule" configuration dialog:



Note: It may be neccessary to freshly login and try again if the "Add Load Shedding Rule" configuration dialog does not present"

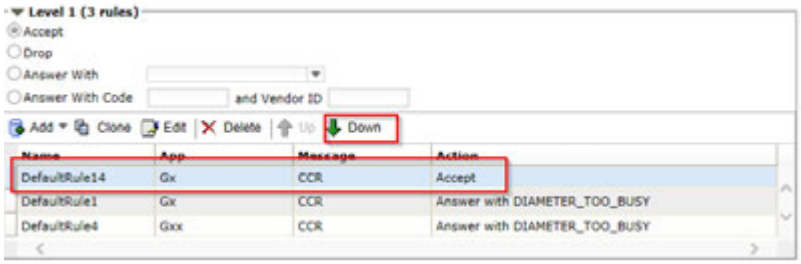
- Datafill the fields in the dialog according to the tables provided above. In this case rule (a) is used. The configuration should look like this.



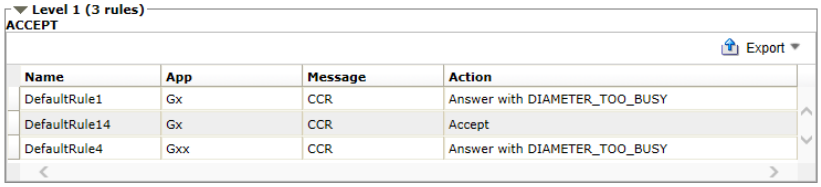
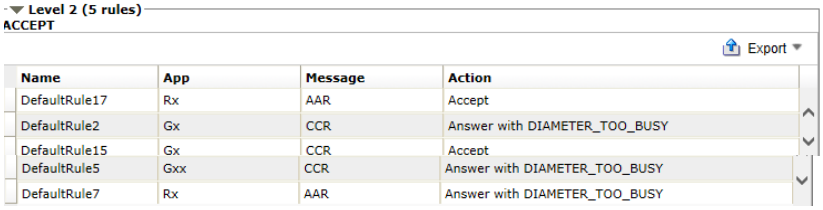
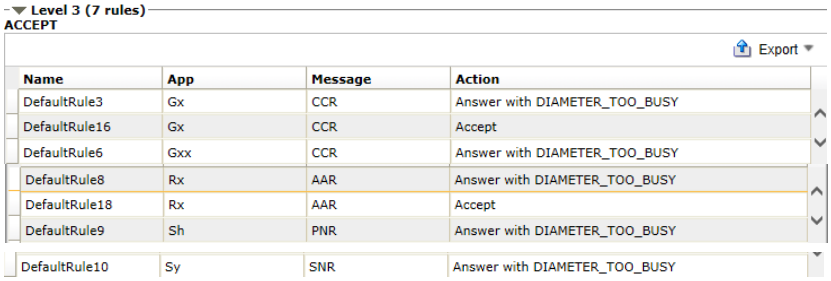
Note: The Rule "name" is a string. It is recommended to use the "DefaultRule: with a rule number that is consistent with customer requirements.

- Click on "OK", and scroll to the bottom of the screen and click on "Save". There will be a rule validation check. If the following popup is seen recheck the configuration.

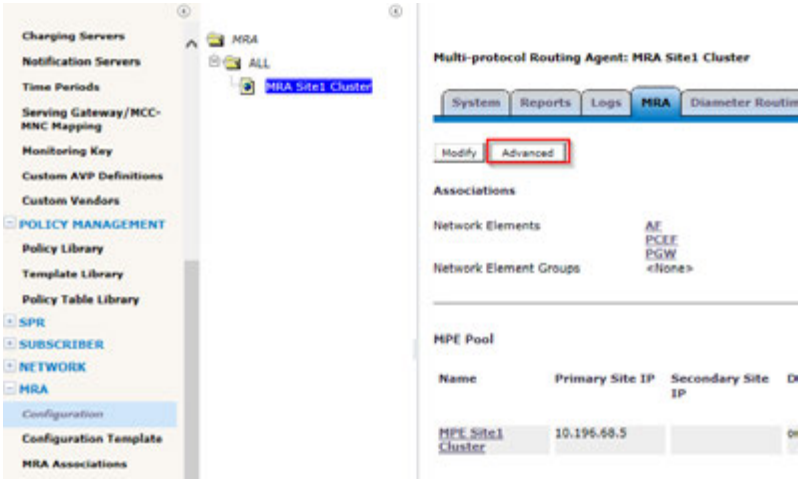
- In this example the Rule name "DefaultRule14" appears first in the Rule Level 1 order of rules.



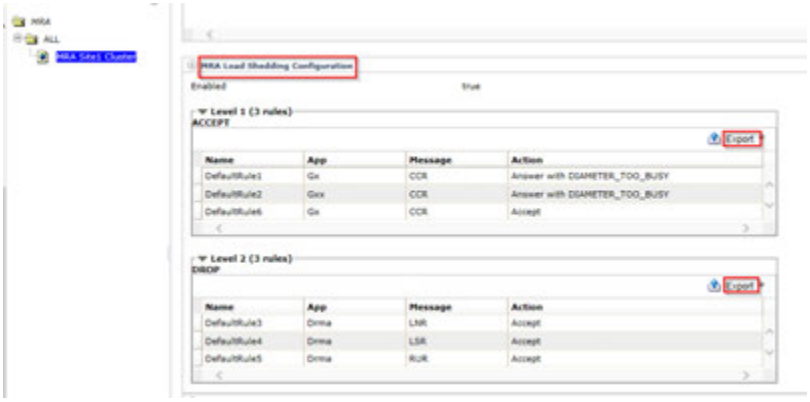
Note: It may be necessary to arrange the order of the rules after creation. Use Appendix A at the end of this document to view the rule order for a new install of ORACLE COMMUNICATIONS POLICY MANAGEMENT' 12.2. Keep in mind that adding these Load Shedding Rules is only required for upgrades and does not apply to new installs. For reference, it is reasonable to use the order these rules are applied in a new install. Load

		shedding rules are customizable based on customer requirements. • Change the order of the newly created rule to match the order in Appendix A, by highlighting the newly created rule and using the up and down arrows in the Load Shedding Configuration Dialog to move the rule. Once the rule is in the desired order return to the bottom of the screen and "Save". Now the newly created Load Shedding Rule "DefaultRule14" appears 2nd in order, between DefaultRule1 and DefaultRule4 the same as it appears in Appendix A.  Level 1 (3 rules) ACCEPT Export Name / App / Message / Action DefaultRule1 / Gx / CCR / Answer with DIAMETER_TOO_BUSY DefaultRule14 / Gx / CCR / Accept DefaultRule4 / Gxx / CCR / Answer with DIAMETER_TOO_BUSY • Now add the additonal Load Shedding Rules as per Table b, c & d in the same fashion as Table a. Level 2 of the Load Shedding Rules will look like this when done  Level 2 (5 rules) ACCEPT Export Name / App / Message / Action DefaultRule17 / Rx / AAR / Accept DefaultRule2 / Gx / CCR / Answer with DIAMETER_TOO_BUSY DefaultRule15 / Gx / CCR / Accept DefaultRule5 / Gxx / CCR / Answer with DIAMETER_TOO_BUSY DefaultRule7 / Rx / AAR / Answer with DIAMETER_TOO_BUSY Level 3 of the Load Shedding Rules will look like this when done  Level 3 (7 rules) ACCEPT Export Name / App / Message / Action DefaultRule3 / Gx / CCR / Answer with DIAMETER_TOO_BUSY DefaultRule16 / Gx / CCR / Accept DefaultRule6 / Gxx / CCR / Answer with DIAMETER_TOO_BUSY DefaultRule8 / Rx / AAR / Answer with DIAMETER_TOO_BUSY DefaultRule18 / Rx / AAR / Accept DefaultRule9 / Sh / PNR / Answer with DIAMETER_TOO_BUSY DefaultRule10 / Sy / SNR / Answer with DIAMETER_TOO_BUSY Note: Level 4 rules are not changed ***Newly added default load shedding rules that are part of this feature have now been added to the MPE. Proceed with the MRA.***	
2	For MRA: Modify "Load Shedding Configuration"	CMP GUI: MRA → Configuration → <MRA cluster that is to be modified > → MRA Tab	

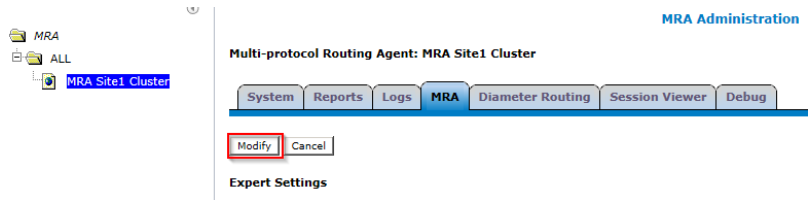
- Click “Advanced”



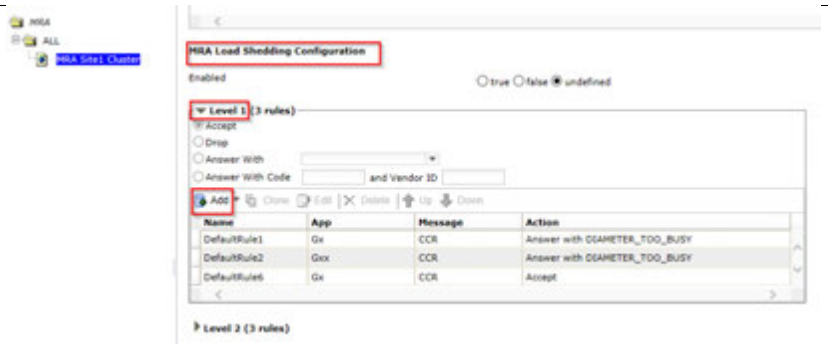
- Scroll to the “MRA Load Shedding Rules”, expand the “Levels” and note the existing rules. There is an export button if needed to document the existing configuration.



- At the top of the tab, click on “modify” to add load shedding rules



- Scroll to “MRA Load Shedding Configuration” and expand the level 1 rules to expose the “add” dialog.



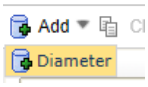
- There will be 1 load shedding rules added for the MRA as follows:

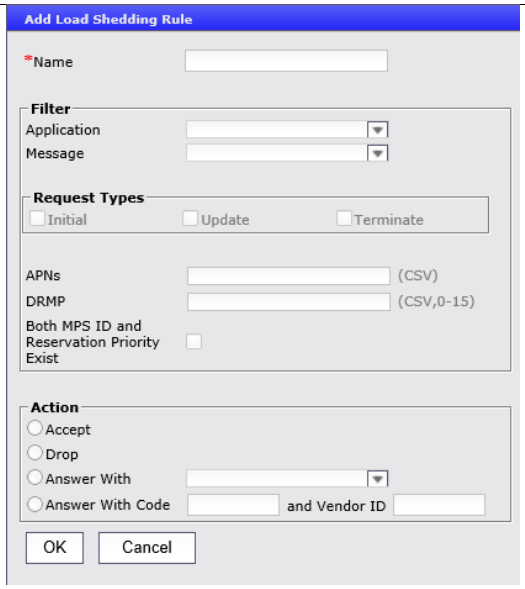
a. Add Gx rule as below in Level 1

```
Application : Gx
Message: CCR
Request Type: Initial
DRMP : 0
Action : Accept
```

For example, rule (a) will be added to level 1 as follows.

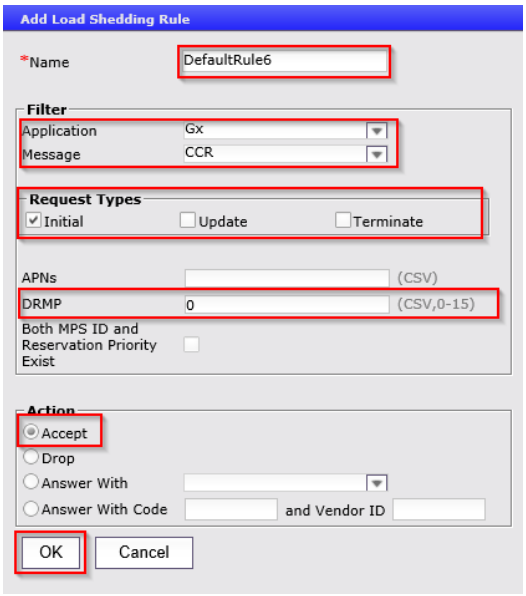
- Click on “add” “Diameter” for Rule level 1 and launch the “Add Load Shedding Rule” configuration dialog:





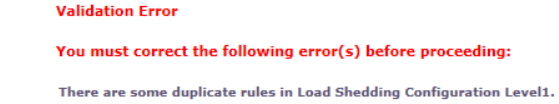
Note: It may be neccessary to freshly login and try again if the "Add Load Shedding Rule" configuratuion dialog does not present"

- Datafill the fields in the dialog according to the tables provided above. In this case Table "a" is used. The configuration should look like this.



Note: The Rule "name" is a string. It is recommended to use the "DefaultRule: with a rule number that is consistent with customer requirements.

- Click on "OK", and scroll to the bottom of the screen and click on "Save". There will be a rule validation check. If the following popup is seen recheck the configuration.

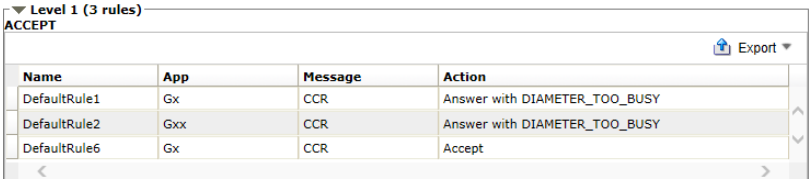


- In this example the Rule name “DefaultRule6” appears first in the Rule Level 1 order of rules.

Name	App	Message	Action
DefaultRule6	Gx	CCR	Accept
DefaultRule1	Gx	CCR	Answer with DIAMETER_TOO_BUSY
DefaultRule2	Gxx	CCR	Answer with DIAMETER_TOO_BUSY

Note: It may be necessary to arrange the order of the rules after creation. Use Appendix A at the end of this document to view the rule order for a new install of ORACLE COMMUNICATIONS POLICY MANAGEMENT’ 12.2. Keep in mind that adding these Load Shedding Rules is only required for upgrades and does not apply to new installs. For reference, it is reasonable to use the order these rules are applied in a new install. Load shedding rules are customizable based on customer requirements.

- Change the order of the newly created rule to match the order in Appendix A, by highlighting the newly created rule and using the up and down arrows in Load Shedding Configuration Dialog to move the rule. Once the rule is in the desired order return to the bottom of the screen and “Save”. Now the newly created Load Shedding Rule “DefaultRule6” appears 3rd in order, after DefaultRule1 and DefaultRule2, the same as it appears in Appendix A.



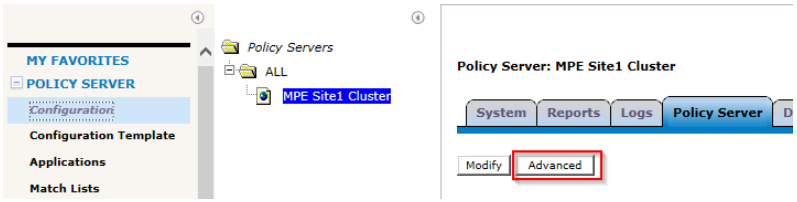
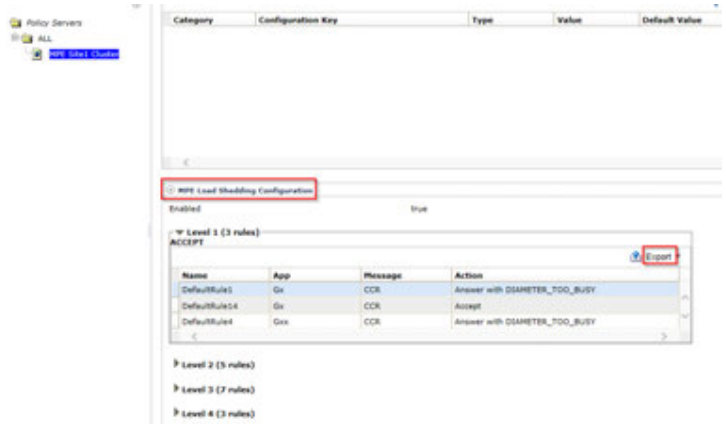
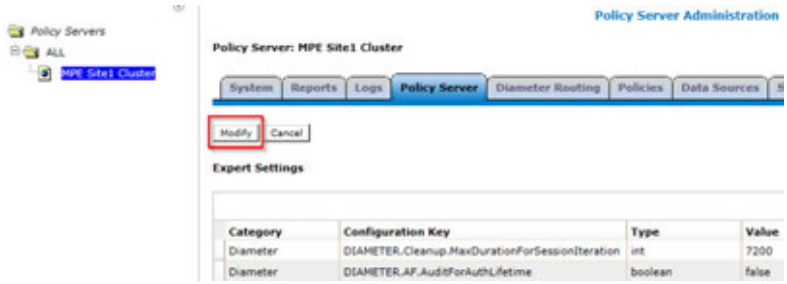
Level 1 (3 rules)
ACCEPT

Export

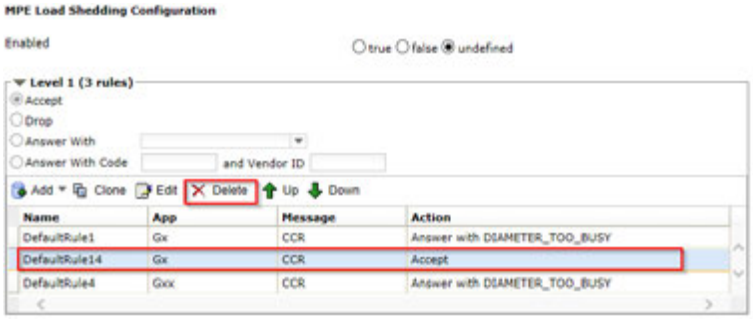
Name	App	Message	Action
DefaultRule1	Gx	CCR	Answer with DIAMETER_TOO_BUSY
DefaultRule2	Gxx	CCR	Answer with DIAMETER_TOO_BUSY
DefaultRule6	Gx	CCR	Accept

Newly added default load shedding rules that are part of this feature have now been added to the MRA. You have completed this procedure.

6. Back out Procedure

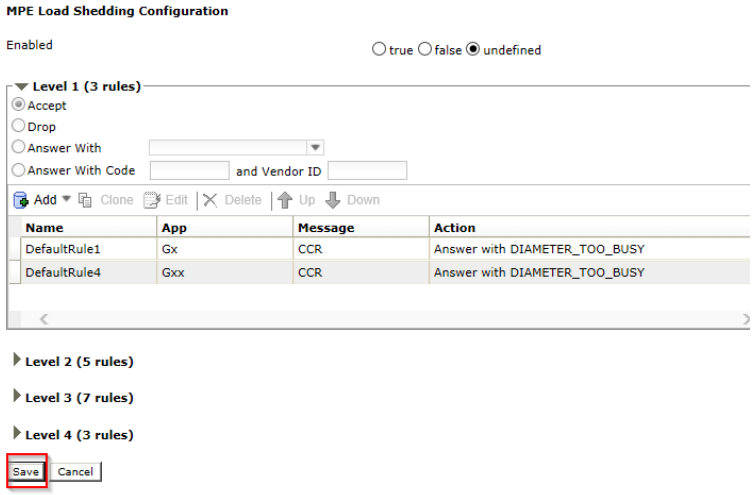
Disable the Feature			
Step	Action	Expected Results	Pass | Fail
1.	For MPE: Modify "Load Shedding Configuration"	CMP GUI: Policy Server → Configuration → *<MPE cluster that is to be modified >* → Policy Server Tab • Click "Advanced"  • Scroll to the "MPE Load Shedding Rules", expand the "Levels" and note the existing rules. There is an export button if needed to document the existing configuration.  • At the top of the tab, click on "**modify"** to remove load shedding rules 	

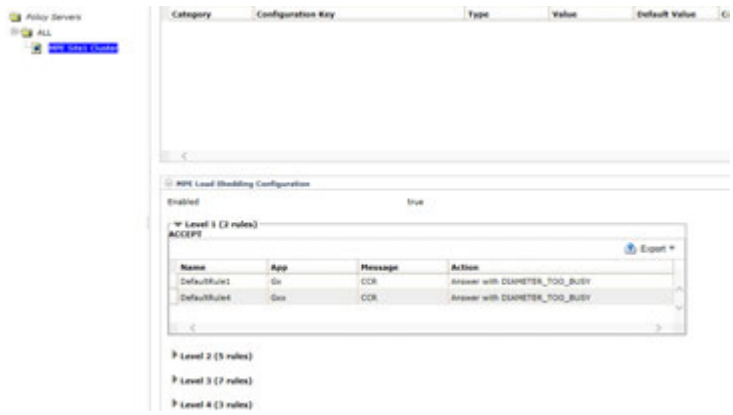
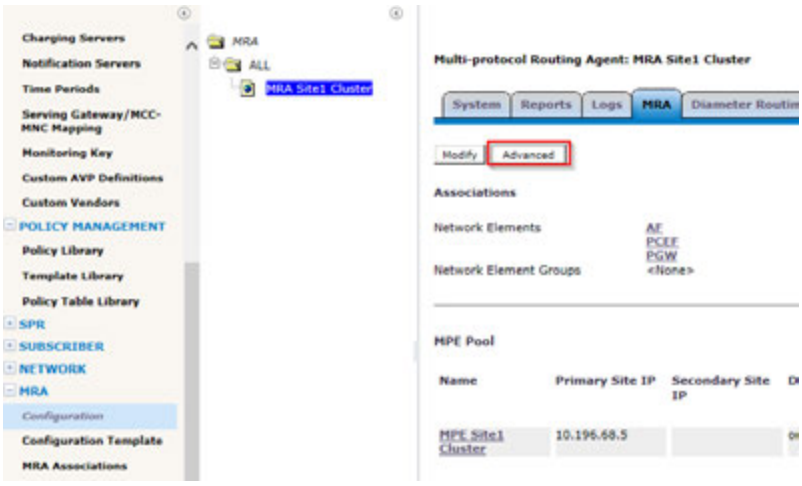
- Select the Load Shedding Rule to “Delete”



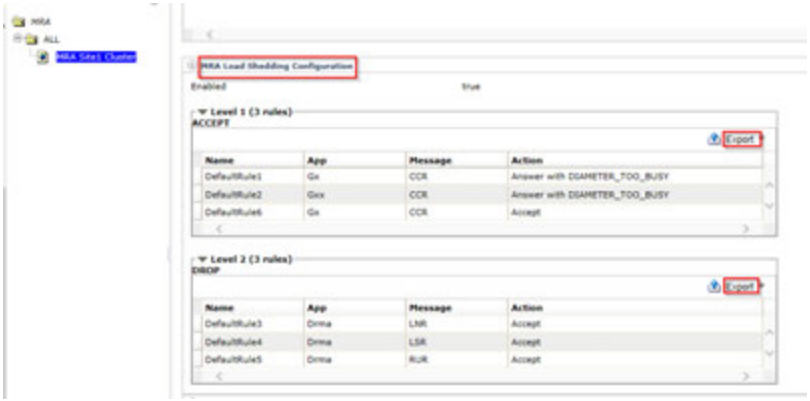
- Click on the “**Delete**” option and you will be prompted confirm the configuration change.

- Confirm the action to “Delete” the load shedding rule and then “Save” at the bottom of the page

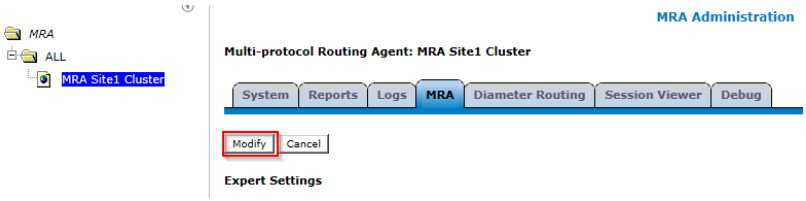


		• The new Load Sheddding Configuration for the MPE has now been implemented. Proceed in this fashion to remove the Load Shedding Rules that were added previously, until the desired Load Shedding Configuration has been achieved. The new configuration can be compared with the previously documented configuration for confirmation . For example, after removing the previously configured "DefaultRule14" the modified configuration with "DefaultRule14" removed would look like this.  Note: If any policies were deployed to the MRA as part f this feature (section 4.2) they should be removed. ***Newly added default load shedding rules that are part of this feature have now been removed from the MPE. Proceed with the MRA.***	
2.	For MRA: Modify "Load Shedding Configuration	CMP GUI: MRA → Configuration → <MRA cluster that is to be modified > → MRA Tab • Click "Advanced"  • Scroll to the "MRA Load Shedding Rules", expand the "Levels" and	

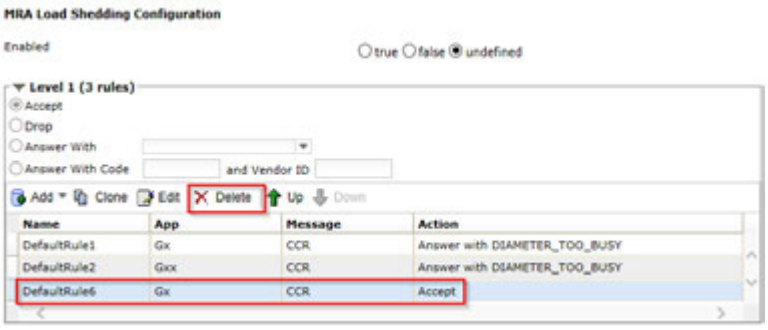
note the existing rules. There is an export button if needed to document the existing configuration.



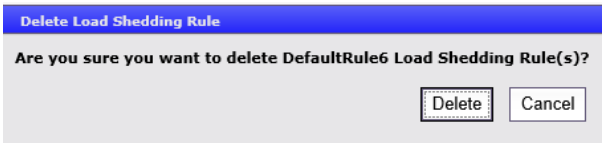
- At the top of the tab, click on “modify” to remove Load Shedding Rules



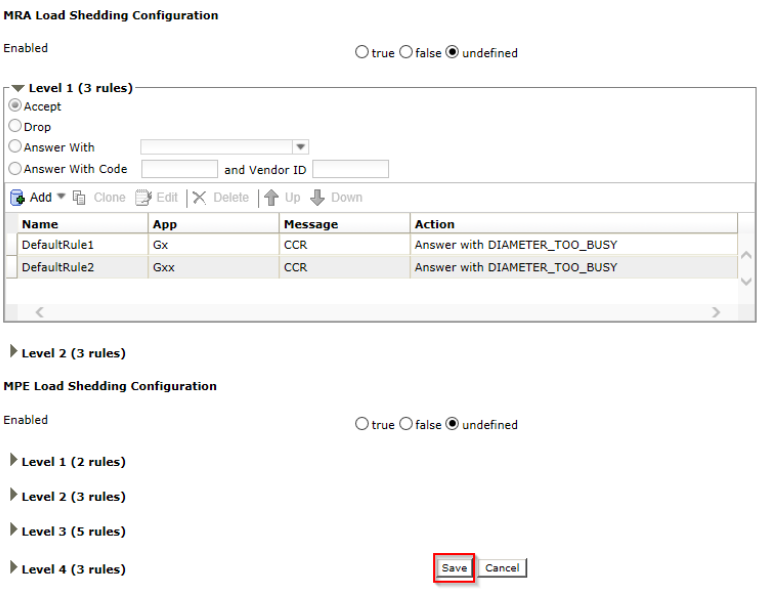
- Select the Load Shedding Rule to“Delete”.



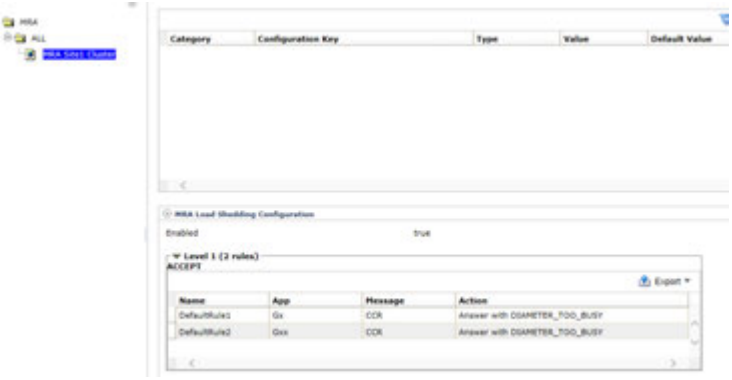
- Click on the “**Delete**” option and you will be prompted to confirm the configuration change.



- Confirm the action to “Delete” the load shedding rule and then “Save” at the bottom of the page



- The new Load Sheddding Configuration for the MRA has now been implemented. Proceed in this fashion to remove the Load Shedding Rules that were added previously until the desired Load Shedding Configuration has been achieved. The new configuration can be compared with the previously documented configuration for confirmation . For example, after removing the previously configured "DefaultRule6" the modified configuration with DefaultRule6 removed would look like this.



Note: If any policies were deployed to the MRA as part f this feature (section 4.2) they should be removed.

Newly added default load shedding rules that are part of this feature have now been removed from the MRA. You have completed this procedure.

7. Appendix A: Export of Default Load Shedding Rules

MPE

Name	level	App	Message	avpName	initial	upgrade	terminate	apnName	apnValue	drmpName	drmpValue	mpsIdAndRpName	mpsIdAndRpExist	Action
DefaultRule1	1	Gx	CCR	CC-Request-Type	1	-999	-999	Called-Station-Id		DRMP			false	DIAMETER_TOO_BUSY
DefaultRule14	1	Gx	CCR	CC-Request-Type	1	-999	-999	Called-Station-Id		DRMP	0		false	ACCEPT
DefaultRule4	1	Gxx	CCR	CC-Request-Type	1	-999	-999	Called-Station-Id					false	DIAMETER_TOO_BUSY

Name	level	App	Message	avpName	initial	upgrade	terminate	apnName	apnValue	drmpName	drmpValue	mpsIdAndRpName	mpsIdAndRpExist	Action
DefaultRule17	2	Rx	AAR	Rx-Request-Type	0	-999	-999	Called-Station-Id				MPS-Identifier_Reservation-Priority	true	ACCEPT
DefaultRule2	2	Gx	CCR	CC-Request-Type	1	-999	-999	Called-Station-Id		DRMP			false	DIAMETER_TOO_BUSY
DefaultRule15	2	Gx	CCR	CC-Request-Type	1	-999	-999	Called-Station-Id		DRMP	0		false	ACCEPT
DefaultRule5	2	Gxx	CCR	CC-Request-Type	1	-999	-999	Called-Station-Id					false	DIAMETER_TOO_BUSY
DefaultRule7	2	Rx	AAR	Rx-Request-Type	0	-999	-999	Called-Station-Id				MPS-Identifier_Reservation-Priority	false	DIAMETER_TOO_BUSY

Name	level	App	Message	avpName	initial	upgrade	terminate	apnName	apnValue	drmpName	drmpValue	mpsIdAndRpName	mpsIdAndRpExist	Action
DefaultRule3	3	Gx	CCR	CC-Request-Type	1	2	-999	Called-Station-Id		DRMP			false	DIAMETER_TOO_BUSY
DefaultRule16	3	Gx	CCR	CC-Request-Type	1	2	-999	Called-Station-Id		DRMP	0		false	ACCEPT
DefaultRule6	3	Gxx	CCR	CC-Request-Type	1	2	-999	Called-Station-Id					false	DIAMETER_TOO_BUSY
DefaultRule8	3	Rx	AAR	Rx-Request-Type	0	1	-999	Called-Station-Id				MPS-Identifier_Reservation-Priority	false	DIAMETER_TOO_BUSY
DefaultRule18	3	Rx	AAR	Rx-Request-Type	0	1	-999	Called-Station-Id				MPS-Identifier_Reservation-Priority	true	ACCEPT
DefaultRule9	3	Sh	PNR		-999	-999	-999	Called-Station-Id					false	DIAMETER_TOO_BUSY
DefaultRule10	3	Sy	SNR		-999	-999	-999	Called-Station-Id					false	DIAMETER_TOO_BUSY

Name	level	App	Message	avpName	initial	upgrade	terminate	apnName	apnValue	drmpName	drmpValue	mpsIdAndRpName	mpsIdAndRpExist	Action
DefaultRule11	4	Drma	LNR		-999	-999	-999						false	ACCEPT
DefaultRule12	4	Drma	LSR		-999	-999	-999						false	ACCEPT
DefaultRule13	4	Drma	RUR		-999	-999	-999						false	ACCEPT

MRA

Name	level	App	Message	avpName	initial	upgrade	terminate	apnName	apnValue	drmpName	drmpValue	mpsIdAndRpName	mpsIdAndRpExist	Action
DefaultRule1	1	Gx	CCR	CC-Request-Type	1	-999	-999	Called-Station-Id		DRMP			false	DIAMETER_TOO_BUSY
DefaultRule2	1	Gxx	CCR	CC-Request-Type	1	-999	-999	Called-Station-Id		DRMP			false	DIAMETER_TOO_BUSY
DefaultRule6	1	Gx	CCR	CC-Request-Type	1	-999	-999	Called-Station-Id		DRMP	0		false	ACCEPT

Name	level	App	Message	avpName	initial	upgrade	terminate	apnName	apnValue	drmpName	drmpValue	mpsIdAndRpName	mpsIdAndRpExist	Action
DefaultRule2	2	Gx	CCR	CC-Request-Type	1	-999	-999	Called-Station-Id		DRMP			false	DIAMETER_UNABLE_TO_COMPLY
DefaultRule5	2	Gxx	CCR	CC-Request-Type	1	-999	-999	Called-Station-Id					false	DIAMETER_UNABLE_TO_COMPLY
DefaultRule7	2	Rx	AAR	Rx-Request-Type	0	-999	-999	Called-Station-Id				MPS-Identifier_Reservation-Priority	false	DIAMETER_UNABLE_TO_COMPLY

Name	level	App	Message	avpName	initial	upgrade	terminate	apnName	apnValue	drmpName	drmpValue	mpsIdAndRpName	mpsIdAndRpExist	Action
DefaultRule3	3	Gx	CCR	CC-Request-Type	1	2	-999	Called-Station-Id		DRMP			false	DIAMETER_UNABLE_TO_COMPLY
DefaultRule6	3	Gxx	CCR	CC-Request-Type	1	2	-999	Called-Station-Id					false	DIAMETER_UNABLE_TO_COMPLY
DefaultRule8	3	Rx	AAR	Rx-Request-Type	1	2	-999	Called-Station-Id				MPS-Identifier_Reservation-Priority	false	DIAMETER_UNABLE_TO_COMPLY
DefaultRule9	3	Sh	PNR		-999	-999	-999	Called-Station-Id					false	DIAMETER_UNABLE_TO_COMPLY
DefaultRule10	3	Sy	SNR		-999	-999	-999	Called-Station-Id					false	DIAMETER_UNABLE_TO_COMPLY

Name	level	App	Message	avpName	initial	upgrade	terminate	apnName	apnValue	drmpName	drmpValue	mpsIdAndRpName	mpsIdAndRpExist	Action
DefaultRule11	4	Drma	LNR		-999	-999	-999						false	ACCEPT
DefaultRule12	4	Drma	LSR		-999	-999	-999						false	ACCEPT
DefaultRule13	4	Drma	RUR		-999	-999	-999						false	ACCEPT