

CHA DLB Performance Management Function Guide

Used in containerized deployment

User Guide

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1 CHA Performance Management Introduction

CHA generates performance metrics used to measure the behavior and performance of the system. Metrics are also used to generate alarms when values go over or under a specified threshold. Recording rules are an aggregation of multiple metrics to allow for even more useful data points.



2 Charging DLB Metrics

DLB metrics used in containerized deployment.

Table 1 Charging DLB Metrics

Metric name	Metric description	Type	Metric Labels	Metric Label Description
cha_dlb_loadbalancing_diameter_requests_total	Number of diameter messages sent/received for requests from network / CHA Access.	Counter	type	Represent the type of the diameter message. Possible Values: Sent, Received.
			diameter_peer	Represents the Diameter Peer. Possible Values: IP/FQDN of peer, where peer could be Access/SDP/C client etc.
cha_dlb_loadbalancing_diameter_requests_errors_total	Number of failure messages sent/received for requests from network / CHA Access.			
Note: Since DLB does not process message content, errors explicitly reported within messages by peers are not detected or counted as failures.	Counter	code	Represents the failure result code. Possible result codes: 3002, 3003, 3005, 4002	
			diameter_peer	Represents the Diameter Peer. Possible Values: IP/FQDN of peer, where peer could be Access/SDP/C client etc.



Table 1 Charging DLB Metrics

Metric name	Metric description	Type	Metric Labels	Metric Label Description
cha_dlb_logstreaming_tcp_requests_errors_total	Number of requests that resulted in error when streaming the log events towards the log transformer.	Counter	appender_name	The name of the appender which is used for streaming the log events
cha_dlb_logstreaming_tcp_queue_events_count	Number of log events present in the streaming appender's queue which are yet to be sent to the log transformer.	Gauge	appender_name	The name of the appender which is used for streaming the log events