

# CHA BCA 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 BCA Metrics

BCA metrics used in containerized deployment.

Table 1 Charging BCA Metrics

Metric name	Metric description	Type	Metric Labels	Metric Label Description
cha_bca_business_config_http_requests_total	Number of Business Configuration requests received.	Counter	method	GET, PUT, POST, PATCH, DELETE
			resource	Possible Values: ChfLoadBalancerConfig, DiameterInterface, EventMessaging, ExportConfiguration, ExternalRating, FetchConfiguration, ImportConfiguration, MapConverterServer, NfConfig, NfProfile, NfProfileConfig, NumberPortabilityDatabaseServer, ScpServerConfig and VoucherServer
cha_bca_business_config_http_requests_errors_total	Number of Business Configuration requests failed.	Counter	code	HTTP Error Code
			method	GET, PUT, POST, PATCH, DELETE



Table 1 Charging BCA Metrics

Metric name	Metric description	Type	Metric Labels	Metric Label Description
			resource	Possible Values: ChfLoadBalancerConfig, DiameterInterface, EventMessaging, ExportConfiguration, ExternalRating, FetchConfiguration, ImportConfiguration, MapConverterServer, NfConfig, NfProfile, NfProfileConfig, NumberPortabilityDatabaseServer, ScpServerConfig and VoucherServer
cha_bca_business_config_http_request_duration_seconds	Average time taken to process a Business Configuration request. The unit of measurement is milliseconds.	Summary	method	GET, PUT, POST, PATCH, DELETE



Table 1 Charging BCA Metrics

Metric name	Metric description	Type	Metric Labels	Metric Label Description
			resource	Possible Values: ChfLoadBalancerConfig, DiameterInterface, EventMessaging, ExportConfiguration, ExternalRating, FetchConfiguration, ImportConfiguration, MapConverterServer, NfConfig, NfProfile, NfProfileConfig, NumberPortabilityDatabaseServer, ScpServerConfig and VoucherServer
cha_bca_capabilities_http_requests_total	Number of Capabilities requests received.	Counter	method	The HTTP Verb. Possible values: GET
			resource	Resource on which the operation is performed. Possible Values: capabilities
cha_bca_capabilities_http_requests_errors_total	Number of Capabilities requests resulted in an error.	Counter	code	HTTP Response Code
			method	The HTTP Verb. Possible values: GET
			resource	Resource on which the operation is performed. Possible Values: capabilities





Table 1 Charging BCA Metrics

Metric name	Metric description	Type	Metric Labels	Metric Label Description
cha_bca_capabilities_http_request_duration_seconds	Average response time of a Capabilities request. The unit of measurement is milliseconds.	Summary	method	The HTTP Verb. Possible values: GET
			resource	Resource on which the operation is performed. Possible Values: capabilities
cha_bca_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_bca_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