



ULB Metrics Reference, Release 2026.02

First Published: 2026-04-23

Americas Headquarters

Cisco Systems, Inc.
170 West Tasman Drive
San Jose, CA 95134-1706
USA
<http://www.cisco.com>
Tel: 408 526-4000
800 553-NETS (6387)
Fax: 408 527-0883

THE SPECIFICATIONS AND INFORMATION REGARDING THE PRODUCTS IN THIS MANUAL ARE SUBJECT TO CHANGE WITHOUT NOTICE. ALL STATEMENTS, INFORMATION, AND RECOMMENDATIONS IN THIS MANUAL ARE BELIEVED TO BE ACCURATE BUT ARE PRESENTED WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED. USERS MUST TAKE FULL RESPONSIBILITY FOR THEIR APPLICATION OF ANY PRODUCTS.

THE SOFTWARE LICENSE AND LIMITED WARRANTY FOR THE ACCOMPANYING PRODUCT ARE SET FORTH IN THE INFORMATION PACKET THAT SHIPPED WITH THE PRODUCT AND ARE INCORPORATED HEREIN BY THIS REFERENCE. IF YOU ARE UNABLE TO LOCATE THE SOFTWARE LICENSE OR LIMITED WARRANTY, CONTACT YOUR CISCO REPRESENTATIVE FOR A COPY.

The Cisco implementation of TCP header compression is an adaptation of a program developed by the University of California, Berkeley (UCB) as part of UCB's public domain version of the UNIX operating system. All rights reserved. Copyright © 1981, Regents of the University of California.

NOTWITHSTANDING ANY OTHER WARRANTY HEREIN, ALL DOCUMENT FILES AND SOFTWARE OF THESE SUPPLIERS ARE PROVIDED "AS IS" WITH ALL FAULTS. CISCO AND THE ABOVE-NAMED SUPPLIERS DISCLAIM ALL WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING, WITHOUT LIMITATION, THOSE OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE AND NON-INFRINGEMENT OR ARISING FROM A COURSE OF DEALING, USAGE, OR TRADE PRACTICE.

IN NO EVENT SHALL CISCO OR ITS SUPPLIERS BE LIABLE FOR ANY INDIRECT, SPECIAL, CONSEQUENTIAL, OR INCIDENTAL DAMAGES, INCLUDING, WITHOUT LIMITATION, LOST PROFITS OR LOSS OR DAMAGE TO DATA ARISING OUT OF THE USE OR INABILITY TO USE THIS MANUAL, EVEN IF CISCO OR ITS SUPPLIERS HAVE BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

Any Internet Protocol (IP) addresses and phone numbers used in this document are not intended to be actual addresses and phone numbers. Any examples, command display output, network topology diagrams, and other figures included in the document are shown for illustrative purposes only. Any use of actual IP addresses or phone numbers in illustrative content is unintentional and coincidental.

All printed copies and duplicate soft copies of this document are considered uncontrolled. See the current online version for the latest version.

Cisco has more than 200 offices worldwide. Addresses and phone numbers are listed on the Cisco website at www.cisco.com/go/offices.

Cisco and the Cisco logo are trademarks or registered trademarks of Cisco and/or its affiliates in the U.S. and other countries. To view a list of Cisco trademarks, go to this URL: <https://www.cisco.com/c/en/us/about/legal/trademarks.html>. Third-party trademarks mentioned are the property of their respective owners. The use of the word partner does not imply a partnership relationship between Cisco and any other company. (1721R)

© 2026 Cisco Systems, Inc. All rights reserved.



CONTENTS

PREFACE

[About this Guide](#) v

CHAPTER 1

[Understanding ULB Metrics Monitoring](#) 1

[Feature Description](#) 1

[How it Works](#) 2

[Configuring Metrics Collection](#) 2

[Configuration Example](#) 3

CHAPTER 2

[ULB Metrics](#) 5

[ULB Metrics Reference](#) 5

[ULB Agent Metrics Category](#) 5

[ULB Operator Metrics Category](#) 10



About this Guide



Note The documentation set for this product strives to use bias-free language. For purposes of this documentation set, bias-free is defined as language that does not imply discrimination based on age, disability, gender, racial identity, ethnic identity, sexual orientation, socioeconomic status, and intersectionality. While any existing biased terms are being substituted, exceptions may be present in the documentation due to language that is hardcoded in the user interfaces of the product software, language used based on RFP documentation, or language that is used by a referenced third-party product.

This guide describes the metrics supported by Unified Load Balancer (ULB). This guide also provides information on how to gather the statistics or counters from its microservices.



CHAPTER 1

Understanding ULB Metrics Monitoring

- [Feature Description, on page 1](#)
- [How it Works, on page 2](#)
- [Configuring Metrics Collection, on page 2](#)

Feature Description

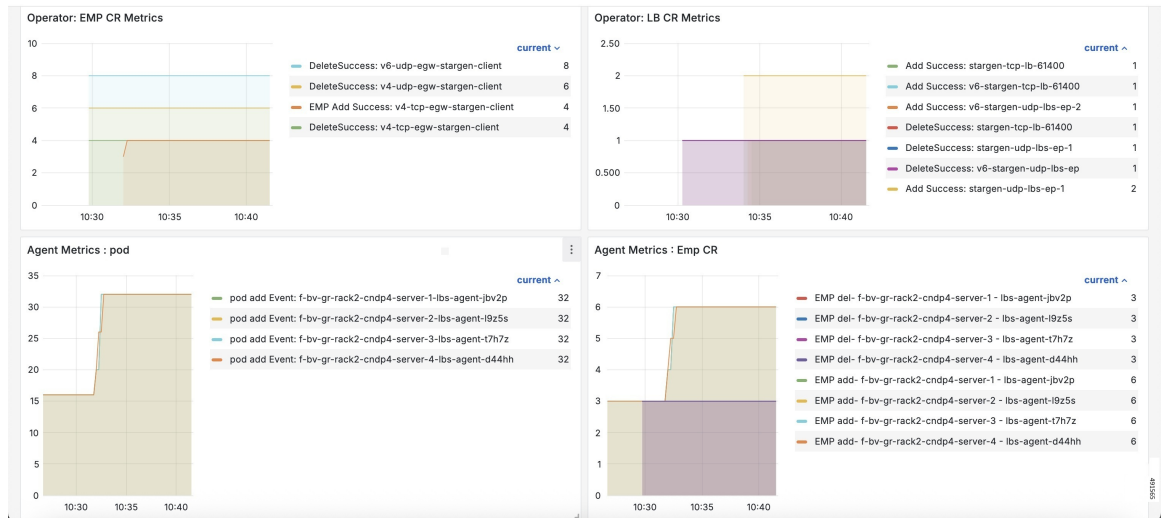
You can monitor a wide range of application and system statistics, and key performance indicators (KPI) within the ULB infrastructure. KPIs are useful to gain insight into the overall health of the ULB environment. Statistics offer a simplified representation of the ULB configurations and utilization-specific data.

The ULB integrates with Prometheus, a third-party monitoring and alerting solution to capture and preserve the performance data. This data is reported as statistics and can be viewed in the web-based dashboard. Grafana provides a graphical or text-based representation of statistics and counters, which the Prometheus database collects. The Grafana dashboard projects a comprehensive set of quantitative and qualitative data that encourages you to analyze ULB metrics in the reporting tool of your choice and take informed decisions.

By default, the monitoring solution is enabled, which indicates that Prometheus continually monitors your ULB environment and the Prometheus data source is associated with Grafana. You must have the administrative privileges to access Grafana. However, to view a specific dashboard, run the Prometheus queries. The queries are available in the built-in and custom format.

The following snapshot is a sample of the Grafana dashboard.

Figure 1: Grafana Dashboard



How it Works

KPIs constitute of metrics, such as statistics and counters. These metrics represent the performance improvement or degradation. By default, Prometheus is enabled on the system where ULB is deployed, and configured with Grafana. Prometheus dynamically starts monitoring the data sources that are available on the system. For new dashboard panels, execute queries in Prometheus.

For more information about Prometheus, consult the [Prometheus documentation](#).

Configuring Metrics Collection

The labels of each ULB metrics are classified into these three categories:

- Production
- Debug
- Trace level

The ULB data metrics are controlled through the CLI command for performance optimization.

To collect the necessary ULB data metrics use this sample configuration:

```
config
  infra metrics verbose { application } [ level { debug | off | production
  | trace } | metrics metrics_name [ level { debug | off | production | trace
  } ] ]
end
```

NOTES:

- **infra metrics verbose { application }**: Enable the metric collection. This configuration helps to collect the required application metrics and labels. By default, this command captures the trace labels of metrics.

- **level { debug | off | production | trace }**: Specify the application metrics category to capture the required application metrics and labels.
 - **debug**: Capture all the labels that are classified as production and debug categories.
 - **off**: Disable the application level metrics collection.
For example, configuring the **infra metrics verbose application svc_byte_count level off** command disables the `svc_byte_count` application metrics.
 - **production**: Capture the labels that are classified as production category.
 - **trace**: Capture all the labels that are classified as production, debug, and trace categories. This option is the default configuration.



Note It is recommended to use level production for a highly scaled and production environment. You should use the debug and trace levels only in lab trials and debugging environment.

If the level trace is enabled in production or a highly scalable environment, service metrics timeout can be observed in the Grafana dashboard.

- If production and debug classification is empty for a metrics, then all the labels are classified as trace.
- **metrics *metrics_name***: Specify the metrics name to capture only the labels that correspond to the given metrics. The metric-level configuration takes precedence over the application-level configuration. If the metrics level is not configured, the labels are captured at the application level.

Data-path metrics collection

To enable or disable the collection of the data-path metrics, use this sample configuration:

This configuration is needed to enable or disable the data level ULB statistics:

```
config
  [no] metrics service-stats
end
```

NOTES:

[no] metrics service-stats: This CLI configures the flag to enable metrics collection by eBPF. This CLI is disabled by default.

Configuration Example

The following is an example configuration to enable only production level for all the application metrics.

```
infra metrics verbose application level production
```

The following is an example configuration to enable debug level for `svc_byte_count` application metrics and production level for all other application metrics.

```
infra metrics verbose application level production metrics svc_byte_count
level debug
```

The following is an example configuration to enable production level for svc_byte_count application metrics.

```
infra metrics verbose application metrics svc_byte_count level production
```

The following is an example configuration to disable svc_byte_count application metrics and debug level for all other application metrics.

```
infra metrics verbose application level debug metrics svc_byte_count level  
off
```



CHAPTER 2

ULB Metrics

- [ULB Metrics Reference, on page 5](#)

ULB Metrics Reference

ULB Agent Metrics Category

egressmanagementpolicy_customresource_add_event_total

Description: Total number egressmanagementpolicies custom resource add event received

Sample Query: 'sum(egressmanagementpolicy_customresource_add_event_total) by (pod)'

egressmanagementpolicy_customresource_delete_event_total

Description: Total number egressmanagementpolicies custom resource delete event received

Sample Query: 'sum(egressmanagementpolicy_customresource_delete_event_total) by (pod)'

egressmanagementpolicy_customresource_modify_event_total

Description: Total number egressmanagementpolicies custom resource modify event received

Sample Query: 'sum(egressmanagementpolicy_customresource_modify_event_total) by (pod)'

loadbalancer_customresource_add_event_total

Description: Total number load balancer custom resource add event received

Sample Query: 'sum(loadbalancer_customresource_add_event_total) by (pod)'

loadbalancer_customresource_delete_event_total

Description: Total number load balancer custom resource delete event received

Sample Query: 'sum(loadbalancer_customresource_delete_event_total) by (pod)'

loadbalancer_customresource_modify_event_total

Description: Total number load balancer custom resource modify event received

Sample Query: 'sum(loadbalancer_customresource_modify_event_total) by (pod)'

loadbalancer_pod_add_event_ignored_total

Description: Total number load balancer pod add event received ignored

Sample Query: 'sum(loadbalancer_pod_add_event_ignored_total) by (pod)'

loadbalancer_pod_add_event_total

Description: Total number load balancer pod add event received

Sample Query: 'sum(loadbalancer_pod_add_event_total) by (pod)'

loadbalancer_pod_delete_event_ignored_total

Description: Total number load balancer pod delete event received ignored

Sample Query: 'sum(loadbalancer_pod_delete_event_ignored_total) by (pod)'

loadbalancer_pod_delete_event_total

Description: Total number load balancer pod delete event received

Sample Query: 'sum(loadbalancer_pod_delete_event_total) by (pod)'

loadbalancer_pod_modify_event_ignored_total

Description: Total number load balancer pod modify event received ignored

Sample Query: 'sum(loadbalancer_pod_modify_event_ignored_total) by (pod)'

loadbalancer_pod_modify_event_total

Description: Total number load balancer pod modify event received

Sample Query: 'sum(loadbalancer_pod_modify_event_total) by (pod)'

node_add_event_ignored_total

Description: Total number node add event ignored

Sample Query: 'sum(node_add_event_ignored_total) by (pod)'

Labels:

- Label: component

Label Description: The component specifies node event type

Example: neighbor

node_add_event_total

Description: Total number node add event received

Sample Query: 'sum(node_add_event_total) by (pod)'

Labels:

- Label: `component`

Label Description: The component specifies node event type

Example: `neighbor`

node_delete_event_ignored_total

Description: Total number node delete event ignored

Sample Query: `'sum(node_delete_event_ignored_total) by (pod)'`

Labels:

- Label: `component`

Label Description: The component specifies node event type

Example: `neighbor`

node_delete_event_total

Description: Total number node delete event received

Sample Query: `'sum(node_delete_event_total) by (pod)'`

Labels:

- Label: `component`

Label Description: The component specifies node event type

Example: `neighbor`

node_modify_event_ignored_total

Description: Total number node modify event ignored

Sample Query: `'sum(node_modify_event_ignored_total) by (pod)'`

Labels:

- Label: `component`

Label Description: The component specifies node event type

Example: `neighbor`

node_modify_event_total

Description: Total number node modify event received

Sample Query: `'sum(node_modify_event_total) by (pod)'`

Labels:

- Label: `component`

Label Description: The component specifies node event type

Example: `neighbor`

pod_add_event_ignored_total

Description: Total number pod add event ignored

Sample Query: 'sum(pod_add_event_ignored_total) by (pod)'

pod_add_event_total

Description: Total number pod add event received

Sample Query: 'sum(pod_add_event_total) by (pod)'

pod_delete_event_ignored_total

Description: Total number pod delete event ignored

Sample Query: 'sum(pod_delete_event_ignored_total) by (pod)'

pod_delete_event_total

Description: Total number pod delete event received Sample

Query: 'sum(pod_delete_event_total) by (pod)'

pod_modify_event_ignored_total

Description: Total number pod modify event ignored

Sample Query: 'sum(pod_modify_event_ignored_total) by (pod)'

pod_modify_event_total

Description: Total number pod modify event received

Sample Query: 'sum(pod_modify_event_total) by (pod)'

serviceoutboundroute_customresource_add_event_ignored_total

Description: Total number service outbound route custom resource add event received ignored

Sample Query: 'sum(serviceoutboundroute_customresource_add_event_ignored_total) by (pod)'

serviceoutboundroute_customresource_add_event_total

Description: Total number service outbound route custom resource add event received

Sample Query: 'sum(serviceoutboundroute_customresource_add_event_total) by (pod)'

serviceoutboundroute_customresource_delete_event_ignored_total

Description: Total number service outbound route custom resource delete event received ignored

Sample Query: 'sum(serviceoutboundroute_customresource_delete_event_ignored_total) by (pod)'

serviceoutboundroute_customresource_delete_event_total

Description: Total number service outbound route custom resource delete event received

Sample Query: 'sum(serviceoutboundroute_customresource_delete_event_total) by (pod)'

serviceoutboundroute_customresource_modify_event_ignored_total

Description: Total number service outbound route custom resource modify event received ignored

Sample Query: 'sum(serviceoutboundroute_customresource_modify_event_ignored_total) by (pod)'

serviceoutboundroute_customresource_modify_event_total

Description: Total number service outbound route custom resource modify event received

Sample Query: 'sum(serviceoutboundroute_customresource_modify_event_total) by (pod)'

svc_byte_count

Description: Total number of bytes per service ip address

Sample Query: 'sum(svc_byte_count) by (pod_ip)'

Labels:

- Label: `svc_ip`
Label Description: The service ip address defined in EMP or LB CR
Example: 192.0.2.1
- Label: `protocol`
Label Description: The service protocol defined in EMP or LB CR
Example: TCP, UDP
- Label: `direction`
Label Description: The direction of the packet
Example: IN, OUT
- Label: `svc_name`
Label Description: The name of EMP or LB CR
Example: emp-tcp-v4
- Label: `pod_ip`
Label Description: The ip address of the pod
Example: 192.0.2.1
- Label: `pod_name`
Label Description: The name of the pod
Example: udp-client-1
- Label: `pod_port`
Label Description: The port used by pod to send receive packets
Example: 55000

svc_packet_count

Description: Total number of packets per service ip address

Sample Query: `'sum(svc_packet_count) by (svc_ip)'`

Labels:

- Label: `svc_ip`
Label Description: The service ip address defined in EMP or LB CR
Example: 192.0.2.1
- Label: `protocol`
Label Description: The service protocol defined in EMP or LB CR
Example: TCP, UDP
- Label: `direction`
Label Description: The direction of the packet
Example: IN, OUT
- Label: `svc_name`
Label Description: The name of EMP or LB CR
Example: emp-tcp-v4
- Label: `pod_ip`
Label Description: The ip address of the pod
Example: 192.0.2.1
- Label: `pod_name`
Label Description: The name of the pod
Example: udp-client-1
- Label: `pod_port`
Label Description: The port used by pod to send receive packets
Example: 55000

ULB Operator Metrics Category

egressmanagementpolicies_custom_resource_add_fail_total

Description: Total number egressmanagementpolicies custom resource add request received Failed

Sample Query: `'sum(egressmanagementpolicies_custom_resource_add_fail_total) by (CrName)'`

Labels:

- Label: `NameSpace`
Label Description: The namespace where custom resource is added

Example: example-namespace

- Label: `Kind`

Label Description: Denote whether the resource is LB CR or EMP CR

Example: EgressManagementPolicy, LoadBalancer

- Label: `CrName`

Label Description: Name of the CR

Example: example-lb-cr

- Label: `SvcName`

Label Description: Service name

Example: service-1

- Label: `PodName`

Label Description: Pod name

Example: pod-1, pod-2

- Label: `Error`

Label Description: Any issues encountered while processing the custom resource LB or EMP

Example: services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2

egressmanagementpolicies_custom_resource_add_success_total

Description: Total number egressmanagementpolicies custom resource add request received Success

Sample Query: 'sum(egressmanagementpolicies_custom_resource_add_success_total) by (CrName)'

Labels:

- Label: `NameSpace`

Label Description: The namespace where custom resource is added

Example: example-namespace

- Label: `Kind`

Label Description: Denote whether the resource is LB CR or EMP CR

Example: EgressManagementPolicy, LoadBalancer

- Label: `CrName`

Label Description: Name of the CR

Example: example-lb-cr

- Label: `SvcName`

Label Description: Service name

Example: service-1

- Label: `PodName`

Label Description: Pod name

Example: pod-1, pod-2

- Label: `Error`

Label Description: Any issues encountered while processing the custom resource LB or EMP

Example: services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2

egressmanagementpolicies_custom_resource_delete_fail_total

Description: Total number egressmanagementpolicies custom resource delete request received Failed

Sample Query: `'sum(egressmanagementpolicies_custom_resource_delete_fail_total) by (CrName)'`

Labels:

- Label: `NameSpace`

Label Description: The namespace where custom resource is added

Example: example-namespace

- Label: `Kind`

Label Description: Denote whether the resource is LB CR or EMP CR

Example: EgressManagementPolicy, LoadBalancer

- Label: `CrName`

Label Description: Name of the CR

Example: example-lb-cr

- Label: `SvcName`

Label Description: Service name

Example: service-1

- Label: `PodName`

Label Description: Pod name

Example: pod-1, pod-2

- Label: `Error`

Label Description: Any issues encountered while processing the custom resource LB or EMP

Example: services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2

egressmanagementpolicies_custom_resource_delete_success_total

Description: Total number egressmanagementpolicies custom resource delete request received Success

Sample Query: `'sum(egressmanagementpolicies_custom_resource_delete_success_total) by (CrName)'`

Labels:

- Label: `Namespace`
Label Description: The namespace where custom resource is added
Example: `example-namespace`
- Label: `Kind`
Label Description: Denote whether the resource is LB CR or EMP CR
Example: `EgressManagementPolicy`, `LoadBalancer`
- Label: `CrName`
Label Description: Name of the CR
Example: `example-lb-cr`
- Label: `SvcName`
Label Description: Service name
Example: `service-1`
- Label: `PodName`
Label Description: Pod name
Example: `pod-1`, `pod-2`
- Label: `Error`
Label Description: Any issues encountered while processing the custom resource LB or EMP
Example: `services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2`

egressmanagementpolicies_custom_resource_modify_fail_total

Description: Total number egressmanagementpolicies custom resource modify request received Failed

Sample Query: `'sum(egressmanagementpolicies_custom_resource_modify_fail_total) by (CrName)'`

Labels:

- Label: `Namespace`
Label Description: The namespace where custom resource is added
Example: `example-namespace`
- Label: `Kind`
Label Description: Denote whether the resource is LB CR or EMP CR
Example: `EgressManagementPolicy`, `LoadBalancer`
- Label: `CrName`
Label Description: Name of the CR
Example: `example-lb-cr`

- Label: `SvcName`
Label Description: Service name
Example: service-1
- Label: `PodName`
Label Description: Pod name
Example: pod-1, pod-2
- Label: `Error`
Label Description: Any issues encountered while processing the custom resource LB or EMP
Example: services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2

egressmanagementpolicies_custom_resource_modify_success_total

Description: Total number egressmanagementpolicies custom resource modify request received Success

Sample Query: 'sum(egressmanagementpolicies_custom_resource_modify_success_total) by (CrName)'

Labels:

- Label: `NameSpace`
Label Description: The namespace where custom resource is added
Example: example-namespace
- Label: `Kind`
Label Description: Denote whether the resource is LB CR or EMP CR
Example: EgressManagementPolicy, LoadBalancer
- Label: `CrName`
Label Description: Name of the CR
Example: example-lb-cr
- Label: `SvcName`
Label Description: Service name
Example: service-1
- Label: `PodName`
Label Description: Pod name
Example: pod-1, pod-2
- Label: `Error`
Label Description: Any issues encountered while processing the custom resource LB or EMP
Example: services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2

loadbalancer_custom_resource_add_fail_total

Description: Total number loadbalancer custom resource add request received Failed

Sample Query: 'sum(loadbalancer_custom_resource_add_fail_total) by (CrName)'

Labels:

- Label: `Namespace`
Label Description: The namespace where custom resource is added
Example: example-namespace
- Label: `Kind`
Label Description: Denote whether the resource is LB CR or EMP CR
Example: EgressManagementPolicy, LoadBalancer
- Label: `CrName`
Label Description: Name of the CR
Example: example-lb-cr
- Label: `SvcName`
Label Description: Service name
Example: service-1
- Label: `PodName`
Label Description: Pod name
Example: pod-1, pod-2
- Label: `Error`
Label Description: Any issues encountered while processing the custom resource LB or EMP
Example: services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2

loadbalancer_custom_resource_add_success_total

Description: Total number loadbalancer custom resource add request received Success

Sample Query: 'sum(loadbalancer_custom_resource_add_success_total) by (CrName)'

Labels:

- Label: `Namespace`
Label Description: The namespace where custom resource is added
Example: example-namespace
- Label: `Kind`
Label Description: Denote whether the resource is LB CR or EMP CR
Example: EgressManagementPolicy, LoadBalancer

- Label: `CrName`
Label Description: Name of the CR
Example: example-lb-cr
- Label: `SvcName`
Label Description: Service name
Example: service-1
- Label: `PodName`
Label Description: Pod name
Example: pod-1, pod-2
- Label: `Error`
Label Description: Any issues encountered while processing the custom resource LB or EMP
Example: services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2

loadbalancer_custom_resource_delete_fail_total

Description: Total number loadbalancer custom resource delete request received Failed

Sample Query: 'sum(loadbalancer_custom_resource_delete_fail_total) by (CrName)'

Labels:

- Label: `NameSpace`
Label Description: The namespace where custom resource is added
Example: example-namespace
- Label: `Kind`
Label Description: Denote whether the resource is LB CR or EMP CR
Example: EgressManagementPolicy, LoadBalancer
- Label: `CrName`
Label Description: Name of the CR
Example: example-lb-cr
- Label: `SvcName`
Label Description: Service name
Example: service-1
- Label: `PodName`
Label Description: Pod name
Example: pod-1, pod-2
- Label: `Error`

Label Description: Any issues encountered while processing the custom resource LB or EMP

Example: services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2

loadbalancer_custom_resource_delete_success_total

Description: Total number loadbalancer custom resource delete request received Success

Sample Query: 'sum(loadbalancer_custom_resource_delete_success_total) by (CrName)'

Labels:

- Label: `Namespace`

Label Description: The namespace where custom resource is added

Example: example-namespace

- Label: `Kind`

Label Description: Denote whether the resource is LB CR or EMP CR

Example: EgressManagementPolicy, LoadBalancer

- Label: `CrName`

Label Description: Name of the CR

Example: example-lb-cr

- Label: `SvcName`

Label Description: Service name

Example: service-1

- Label: `PodName`

Label Description: Pod name

Example: pod-1, pod-2

- Label: `Error`

Label Description: Any issues encountered while processing the custom resource LB or EMP

Example: services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2

loadbalancer_custom_resource_modify_fail_total

Description: Total number loadbalancer custom resource modify request received Failed

Sample Query: 'sum(loadbalancer_custom_resource_modify_fail_total) by (CrName)'

Labels:

- Label: `Namespace`

Label Description: The namespace where custom resource is added

Example: example-namespace

- Label: `Kind`
Label Description: Denote whether the resource is LB CR or EMP CR
Example: `EgressManagementPolicy`, `LoadBalancer`
- Label: `CrName`
Label Description: Name of the CR
Example: `example-lb-cr`
- Label: `SvcName`
Label Description: Service name
Example: `service-1`
- Label: `PodName`
Label Description: Pod name
Example: `pod-1`, `pod-2`
- Label: `Error`
Label Description: Any issues encountered while processing the custom resource LB or EMP
Example: `services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2`

loadbalancer_custom_resource_modify_success_total

Description: Total number loadbalancer custom resource modify request received Success

Sample Query: `'sum(loadbalancer_custom_resource_modify_success_total) by (CrName)'`

Labels:

- Label: `NameSpace`
Label Description: The namespace where custom resource is added
Example: `example-namespace`
- Label: `Kind`
Label Description: Denote whether the resource is LB CR or EMP CR
Example: `EgressManagementPolicy`, `LoadBalancer`
- Label: `CrName`
Label Description: Name of the CR
Example: `example-lb-cr`
- Label: `SvcName`
Label Description: Service name
Example: `service-1`
- Label: `PodName`

Label Description: Pod name

Example: pod-1, pod-2

- Label: `error`

Label Description: Any issues encountered while processing the custom resource LB or EMP

Example: services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2

service_delete_total_not_egressmanagementpolicies_owner

Description: Total number of service delete request whose owner is not EMP crd

Sample Query: `'sum(service_delete_total_not_egressmanagementpolicies_owner) by (CrName)'`

Labels:

- Label: `Namespace`

Label Description: The namespace where custom resource is added

Example: example-namespace

- Label: `kind`

Label Description: Denote whether the resource is LB CR or EMP CR

Example: EgressManagementPolicy, LoadBalancer

- Label: `CrName`

Label Description: Name of the CR

Example: example-lb-cr

- Label: `SvcName`

Label Description: Service name

Example: service-1

- Label: `PodName`

Label Description: Pod name

Example: pod-1, pod-2

- Label: `error`

Label Description: Any issues encountered while processing the custom resource LB or EMP

Example: services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2

service_delete_total_not_loadbalancer_owner

Description: Total number of service delete request whose owner is not LB crd

Sample Query: `'sum(service_delete_total_not_loadbalancer_owner) by (CrName)'`

Labels:

- Label: `NameSpace`
Label Description: The namespace where custom resource is added
Example: `example-namespace`
- Label: `Kind`
Label Description: Denote whether the resource is LB CR or EMP CR
Example: `EgressManagementPolicy`, `LoadBalancer`
- Label: `CrName`
Label Description: Name of the CR
Example: `example-lb-cr`
- Label: `SvcName`
Label Description: Service name
Example: `service-1`
- Label: `PodName`
Label Description: Pod name
Example: `pod-1`, `pod-2`
- Label: `Error`
Label Description: Any issues encountered while processing the custom resource LB or EMP
Example: `services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2`

service_modify_total_not_egressmanagementpolicies_owner

Description: Total number of service modify request whose owner is not EMP crd

Sample Query: `'sum(service_modify_total_not_egressmanagementpolicies_owner) by (CrName)'`

Labels:

- Label: `NameSpace`
Label Description: The namespace where custom resource is added
Example: `example-namespace`
- Label: `Kind`
Label Description: Denote whether the resource is LB CR or EMP CR
Example: `EgressManagementPolicy`, `LoadBalancer`
- Label: `CrName`
Label Description: Name of the CR
Example: `example-lb-cr`
- Label: `SvcName`

Label Description: Service name

Example: service-1

- Label: `PodName`

Label Description: Pod name

Example: pod-1, pod-2

- Label: `Error`

Label Description: Any issues encountered while processing the custom resource LB or EMP

Example: services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2

`service_modify_total_not_loadbalancer_owner`

Description: Total number of service modify request whose owner is not LB crd

Sample Query: `'sum(service_modify_total_not_loadbalancer_owner) by (CrName)'`

Labels:

- Label: `NameSpace`

Label Description: The namespace where custom resource is added

Example: example-namespace

- Label: `Kind`

Label Description: Denote whether the resource is LB CR or EMP CR

Example: EgressManagementPolicy, LoadBalancer

- Label: `CrName`

Label Description: Name of the CR

Example: example-lb-cr

- Label: `SvcName`

Label Description: Service name

Example: service-1

- Label: `PodName`

Label Description: Pod name

Example: pod-1, pod-2

- Label: `Error`

Label Description: Any issues encountered while processing the custom resource LB or EMP

Example: services testudpemp-pod-1 is forbidden: exceeded quota: service-quota, requested: services=1, used: services=2, limited: services=2

