

1.配置一个基于日志的metric

Operations

Logging

Logs Explorer

Logs Dashboard

Logs-based Metrics

Logs Router

Logs Storage

Logs-based Metrics

About logs-based metrics

Logs-based metrics count the log entries that match a given filter. Logs-based metrics only apply to logs generated in this project, not to logs routed from other projects to buckets in this project.

User-defined metrics

CREATE METRIC

DELETE

Filter

Filter user-defined metrics

Enabled	Name	Type	Description	Previous month usage	Month-to-date usage (MTD)	Created	Last Updated	Filter
<input type="checkbox"/>	cloud-sql-failover	Counter	cloud sql failover	0 B	0 B	6/9/21, 2:20 PM	6/9/21, 2:20 PM	resource 'gracef
<input type="checkbox"/>	mysql-crash	Counter		144 B	0 B	5/24/21, 3:50 PM	5/24/21, 3:57 PM	resource logName centre/'Startin

System-defined metrics

Filter

Filter system metrics

Name	Description
billing/bytes_ingested	The total number of billable bytes received in log entries.
billing/monthly_bytes_ingested	The total number of billable bytes received in log entries since the start of the month.
byte_count	The total number of bytes received in log entries.
excluded_byte_count	The total number of bytes from excluded log entries.
excluded_log_entry_count	The total number of log entries that were not counted because they are being excluded by a resource type exclusion or an exclusion filter.
exports/byte_count	The total number of bytes exported using sinks.
exports/error_count	The total number of log entries that were not exported due to errors.
exports/log_entry_count	The total number of log entries that were exported using sinks.
log_entry_count	The total number of log entries received.
logs_based_metrics_error_count	The total number of log entries that were not counted due to their timestamp being too old.
metric_throttled	The throttling status for logs-based metrics.
time_series_count	The estimated number of active time series for logs-based metrics.

Once you create and save a logs-based metric, many fields can't be edited. If you need to change the metric type (for example, from distribution type to counter type), create a new logs-based metric. Any changes you make only apply to the log entries that arrive after you save your changes.

Metric Type

☒ Counter

Counts the number of log entries matching a given filter

[Learn more](#) [↗](#)

☐ Distribution

Collects numeric data from log entries matching a given filter

[Learn more](#) [↗](#)

Details

Log metric name
cloud-sql-failover

Description
cloud sql failover

Enter a description for this metric (optional)

Units
1

The units of measurement that apply to this metric (for example, bytes or seconds). For counter metrics, leave this blank or insert the digit '1'. For distribution metrics, you can optionally enter units, such as 's', 'ms', etc. [Learn more](#)

Filter selection

[PREVIEW LOGS](#)

Define your logs-based metric

Build filter *

检测准确的Failover的日志的过滤语句请使用一下语句

```
resource.type="cloudsql_database"  
textPayload =~ "gracefully|Starting mysqld"
```

2.基于这个log metric新建一个告警策略:

METRIC

UPTIME CHECK

PROCESS HEALTH

Target ?

<> Query Editor

Find resource type and metric ?

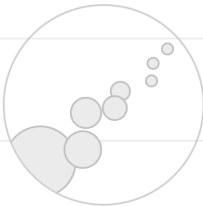
Resource type: Cloud SQL Database x

logging/us

Metrics

logging/user/cloud-sql-failover cloudsqldb...
logging.googleapis.com/user/cloud-sql-failover

logging/user/mysql-crash cloudsqldb...
logging.googleapis.com/user/mysql-crash



Metric Condition

Metric: logging.googleapis.com/user/cloud-sql-failover
Description: cloud sql failover
Resource type: cloudsql_database
Unit: number Kind: Delta Value type: Int64

UTC+8 1:30 PM 1:40 PM 1:50 PM 2:00 PM

Target ?

[<> Query Editor](#)

Find resource type and metric ?

Resource type: Cloud SQL Database ×

Metric: logging/user/cloud-s... ×

Filter ?

+ Add a filter

Group By ?

+ Add a label

Aggregator ?

count ▼

Period ?

2 minutes ▼

[✓ SHOW ADVANCED OPTIONS](#)

Configuration

Condition triggers if

Any time series violates ▼

Condition

is above ▼

Threshold

0

For

2 minutes ▼

2021-07-04: 11:09 有一次failover的问题, 在log里面查不到

Operations

All instances > mbsaen-mysql019

✓

mbsaen-mysql019

MySQL 5.7

A log of operations your database instance is currently running and has completed. [Learn more](#)

Creation Time	Type	Status
Jul 5, 2021, 3:24:07 AM	Backup	Backup finished
Jul 4, 2021, 11:09:47 PM	Failover	Failover finished
Jul 4, 2021, 2:55:01 AM	Backup	Backup finished
Jul 3, 2021, 2:34:24 AM	Backup	Backup finished
Jul 2, 2021, 1:50:24 AM	Backup	Backup finished
Jul 1, 2021, 3:11:47 AM	Backup	Backup finished
Jun 30, 2021, 1:59:38 AM	Backup	Backup finished
Jun 29, 2021, 3:40:31 AM	Backup	Backup finished
Jun 28, 2021, 2:58:57 AM	Backup	Backup finished
Jun 27, 2021, 1:55:58 AM	Backup	Backup finished

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Logs Explorer

OPTIONS

REFINE SCOPE

Project

SHARE LINK

7/3/21, 10:

QueryRecent (2)Saved (0)Suggested (0)

ResourceLog nameSeverity

1 resource.type="cloudsql_database"

2 textPayload =~ "gracefully"

Log fields

No data found

Query results

SEVERITYTIMESTAMPHKTSUMMARY

To view more results, expand the time range for this query.

Extend time by: 1 day

Edit time