

Metrics Cost Optimizer API

Overview

The **Metrics Optimizer API** allows you to drop irrelevant metrics even after ingestion. This API can be used to block or unblock specific metrics and retrieve a list of blocked metrics.

Authentication

To authenticate requests, create a [customized API key](#) with the **Metrics TCOPolicies** role preset assigned to it. Alternatively, selectively add the following permissions to your key:

Description	Action
View metrics TCO policies	METRICS.TCO:READ
Manage metrics TCO policies	METRICS.TCO:UPDATEPOLICIES

Find out more about customized API keys [here](#).

Using `grpcurl`

Use your customized API key in the Authorization request header to successfully connect.

```
grpcurl -H "Authorization: Bearer API_KEY_HERE"
```

Then select the endpoint associated with your Coralogix [domain](#).

```
-d @ ng-api-grpc.eu2.coralogix.com:443
```

For the Metrics Cost Optimizer API, the service name is `MetricsBlockingRulesService`.

```
com.coralogix.metrics.metrics_blocking_rules.MetricsBlockingRulesService
```

The complete request should look like this:

```
grpcurl -H "Authorization: Bearer API_KEY_HERE" \\\
```

```
-d <parameters>
ng-api-grpc.app.coralogix.net:443 \\\

com.coralogix.metrics.metrics_blocking_rules.MetricsBlockingRulesService.
<method>
```

Supported APIs

API	Descrip
com.coralogix.metrics.metrics_blocking_rules.MetricsBlockingRulesService. Block	Blocks th specifie metric
com.coralogix.metrics.metrics_blocking_rules.MetricsBlockingRulesService. List	Retrieve list of all blocked metrics
com.coralogix.metrics.metrics_blocking_rules.MetricsBlockingRulesService. Allow	Unblock (allows) specifie metric

Examples

The following section presents an array of sample requests.

Block a metric by name

This method blocks the specified metric. You can block a single metric or multiple metrics at once. To send multiple metrics by name send a array with comma separated metric names. For a single metric, using an array is optional.

Example: Blocking a single metric

```
{
  "ruleExpressions": {
    "byMetricName": {
      "name": "block_metric"
    }
  }
}
```

Example: Blocking multiple metrics

```
{
  "ruleExpressions": [{
    "byMetricName": {
      "name": "block_metric1"
    },
    "byMetricName": {
      "name": "block_metric2"
    },
    "byMetricName": {
      "name": "block_metric3"
    }
  }]
}
```

Example: API call

```
grpcurl -H "Authorization: <..>" \
  -d '{
    "ruleExpression": [{
      "byMetricName": {
        "name": "blocked_metric"
      }
    }]
  }' \
  ng-api-grpc.app.coralogix.net:443 \

com.coralogix.metrics.metrics_blocking_rules.MetricsBlockingRulesService.Bloc
```

List blocked metrics

Retrieve a list of all blocked metrics, including their ruleId, expressions, and metric names. This method can be used to identify metrics that need to be unblocked.

Sample API call

```
grpcurl -H "Authorization: <..>" ng-api-grpc.app.coralogix.net:443 \

com.coralogix.metrics.metrics_blocking_rules.MetricsBlockingRulesService.List
```

Sample response

```
{
  "rules": [
    {
      "ruleId": "3",
      "ruleExpression": {
        "byMetricName": {
          "name": "code:prometheus_http_requests_total:sum1"
        }
      }
    },
    {
      "ruleId": "4",
      "ruleExpression": {
        "byMetricName": {
          "name": "code:prometheus_http_requests_total:sum2"
        }
      }
    },
    {
      "ruleId": "6",
      "ruleExpression": {
        "byMetricName": {
          "name": "test_metric"
        }
      }
    },
    {
      "ruleId": "36",
      "ruleExpression": {
        "byMetricName": {
          "name": "go_gc_duration_seconds_count"
        }
      }
    },
    {
      "ruleId": "37",
      "ruleExpression": {
        "byMetricName": {
          "name": "go_gc_duration_seconds_sum"
        }
      }
    }
  ]
}
```

```

    },
    {
      "ruleId": "39",
      "ruleExpression": {
        "byMetricName": {
          "name": "blocked_metric1"
        }
      }
    }
  ]
}

```

Unblock a metric with `ruleId`

This method removes a blocking rule, unblocking the specified metric.

You can unblock a single metric or multiple metrics at once. To send multiple metrics by `ruleId`, send an array with comma-separated `ruleIds`. For a single metric, using an array is optional.

Example: Allowing a single metric

```

{
  -d '{"ruleIds":39}'
}

```

Example: Allowing multiple metrics

```

{
  -d '{"ruleIds":[3,4,6,36]}'
}

```

Example: API call

```

grpcurl -H "Authorization: <.>" \
  -d '{"ruleIds":[36]}' \
  ng-api-grpc.app.coralogix.net:443 \

com.coralogix.metrics.metrics_blocking_rules.MetricsBlockingRulesService.Allow

```

Response handling

The APIs return standardized responses, including the following error codes:

Error Code	Description	Method
200	Success	All Methods
500	Internal Server Error	All Methods
401	Unauthorized	All Methods
403	Forbidden	All Methods
404	Metric or Rule ID not found	Allow Method
422	Invalid Rule Expression or ID Format	Block/Allow Method
409	Metric Already Blocked	Block Method
400	Bad Request	Block Method

Support

Need help?

Our world-class customer success team is available 24/7 to walk you through your setup and answer any questions that may come up.

Feel free to reach out to us **via our in-app chat** or by sending us an email to support@coralogix.com.

 Last updated: July 18, 2025

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Send

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Generated on: November 18, 2025

Source: <https://coralogix.com/docs/developer-portal/apis/data-management/metrics-cost-optimizer-api/>