

# Metrics Usage Analyzer

Analyze and shape your observability data based on need, context, and utility to reduce data volumes by 60% on average, and cut time spent troubleshooting in half.

## The Problem:

Most monitoring and observability solutions don't make it easy for Central Observability Teams (COT) to understand how or if metrics are used or what value they deliver. As observability data volume growth accelerates with the adoption of cloud native architectures, managing that growth is critical to controlling costs and ensuring the observability system is performant.

## The Solution:

The Metrics Usage Analyzer, part of the Chronosphere Control Plane, allows you to understand the value each metric delivers by providing a view of all of your metrics ranked from least used to most used, alongside information about each metric's volume (as measured in data points per second) and metric cardinality.

It provides full insight into the usage of the data in Chronosphere whether by dashboard, monitor, shaping rule, or query execution so that you can more confidently identify never-used data, make decisions about the shape of that data, and understand the impact of a proposed shaping rule to users of that data.

## Key Benefits



### Understand the value of each metric

- View metric cost and usage information side-by-side
- Know if a metric is being used, where, and by whom



### Make confident shaping decisions

- Know what to keep, and what can be rolled away, dropped, or ignored



### Identify opportunities to boost signal

- Find underutilized or requested metrics that can be added to improve usefulness

### Metrics Analyzer

VIEW Analyze Incoming Analyze Usage Time Range: Last 14 Days

**Metrics** ⊕

SORT Most valuable ▾

Search Metrics (supports glob syntax)

slo:error\_budget:ratio

Utility Score 32 DPPS 28

trace\_call\_duration\_bucket

Utility Score 19 DPPS 282

process\_cpu\_seconds\_total

Utility Score 17 DPPS 1,060

node\_cpu\_seconds\_total\_average

Utility Score 1 DPPS 0

**Summary** Usage Details

Configuration References ⊕

31

Direct Query Executions ⊕

18

Utility Score ⊕

32

Metric DPPS ⊕

27.92

Associated labels for slo:error\_budget:ratio

Search Associated Labels

Associated Lab...	Configuration References	Direct Query Executions	Utility Score	Unique Values	
sloth_service	8	1	8	1	<a href="#">Usage Details</a>
tier	0	0	0	1	<a href="#">Usage Details</a>
owner	0	0	0	1	<a href="#">Usage Details</a>
sloth_id	8	1	8	3	<a href="#">Usage Details</a>

# Metrics Usage Analyzer Key Capabilities

Make smarter shaping decisions to control costs and improve performance using data-driven insights into your metric observability data.

**Most utilized**  
Sort by least valuable, most valuable, least used, etc.

**Usage Details**  
Get more usage Details

- View key characteristics, at a glance including:
- Configuration Reference
  - Direct Query Executions
  - Utility Score
  - Metric Volume (data points per second)

**Metrics Analyzer**

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Metrics @  
SORT Most valuable

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**Summary** Usage Details

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owner	0	0	0	1	Usage Details
sloth_id	8	1	8	3	Usage Details

**Configuration References**  
Where is this metric being used?

**Direct Query Executions**  
Where is it being queried?

- Dive deeper into the Usage Details to see more about a metric and its associated labels:
- Where its being used, including which dashboards, monitors, alerts, etc.
  - How often it is queried and by whom

**Usage Details**

Metric: trace\_call\_duration\_count + Label: \* (all)

Time Range Last 30 Days

Configuration References 48 Direct Query Executions 3338 Utility Score 34 Metric DPPS 29

Configuration References: Dashboards

1-14 of 14

Reference Count	Added	Dashboard
4	22 Mar 2022 10:19:41 AM	Demo Service - Team-D
6	16 Mar 2023 11:28:12 AM	Trace - Overview
2	27 Jan 2023 3:26:16 PM	Query Accelerator
7	02 Feb 2022 9:07:21 AM	Trace - Linking Downstream With Aggregation
2	07 Oct 2022 5:33:17 PM	WIP - Scenario 1 Tracing Dashboard
3	30 Sep 2022 9:50:11 AM	Demo Portal - Services Overview
2	15 Mar 2023 3:18:54 PM	Services Overview
1	21 Jul 2022 9:37:35 AM	Detailed Sloth SLOs
2	15 Mar 2023 3:18:54 PM	List Order Service Overview
2	26 Mar 2023 7:01:22 PM	AWS Services Overview
4	18 May 2022 7:58:52 PM	Business Insights Dashboard
3	27 Mar 2023 4:21:21 PM	Business Insights Dashboard by Customer

Learn more and request a demo at [chronosphere.io](https://chronosphere.io)