

IceMX Slice API

IceMX

Overview

module IceMX

The Ice Management eXtension facility. It provides the [MetricsAdmin](#) interface for management clients to retrieve metrics from Ice applications.

Class Index

[ConnectionMetrics](#) — Provides information on the data sent and received over Ice connections.
[DispatchMetrics](#) — Provides information on servant dispatch.
[InvocationMetrics](#) — Provide measurements for proxy invocations.
[Metrics](#) — The base class for metrics.
[RemoteMetrics](#) — Provides information on invocations that are specifically sent over Ice connections.
[SessionMetrics](#) — Provides information on Glacier2 sessions.
[SubscriberMetrics](#) — Provides information on IceStorm subscribers.
[ThreadMetrics](#) — Provides information on the number of threads currently in use and their activity.
[TopicMetrics](#) — Provides information on IceStorm topics.

Interface Index

[MetricsAdmin](#) — The metrics administrative facet interface.

Exception Index

[UnknownMetricsView](#) — Raised if a metrics view cannot be found.

Structure Index

[MetricsFailures](#) — A structure to keep track of failures associated with a given metrics.

Sequence Index

[MetricsFailuresSeq](#) — A sequence of [MetricsFailures](#).
[MetricsMap](#) — A metrics map is a sequence of metrics.

Dictionary Index

[MetricsView](#) — A metrics view is a dictionary of metrics map.
[StringIntDict](#) — A dictionary of strings to integers.

Sequences

sequence<[MetricsFailures](#)> MetricsFailuresSeq

A sequence of [MetricsFailures](#).

Used By

- [MetricsAdmin::getMapMetricsFailures](#)

sequence<[Metrics](#)> MetricsMap

A metrics map is a sequence of metrics. We use a sequence here instead of a map because the ID of the metrics is already included in the Metrics class and using sequences of metrics objects is more efficient than using dictionaries since lookup is not necessary.

Used By

- [InvocationMetrics::remotes](#)
- [MetricsView](#)

Dictionaries

dictionary<string, [MetricsMap](#)> MetricsView

A metrics view is a dictionary of metrics map. The key of the dictionary is the name of the metrics map.

Used By

- [MetricsAdmin::getMetricsView](#)

dictionary<string, int> StringIntDict

A dictionary of strings to integers.

Used By

- [MetricsFailures::failures](#)
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