

[Hummingbird](#) / MetricsMiddleware

Structure

MetricsMiddleware

Middleware recording metrics for each request

```
struct MetricsMiddleware<Context> where Context : RequestContext
```

Overview

Records the number of requests, the request duration and how many errors were thrown. Each metric has additional dimensions URI and method.

Uses [Swift-Metrics](#) for recording the metrics. Swift-Metrics has a flexible backend, which will need to be initialized before any metrics are recorded.

A list of implementations is available in the [swift-log repository's README](#).

Topics

Initializers

`init()`

Instance Methods

```
func handle(Request, context: Context, next: (Request, Context)
async throws -> Response) async throws -> Response
```

Relationships

Conforms To

MiddlewareProtocol, RouterMiddleware, Swift.Sendable

See Also

Middleware

`protocol MiddlewareProtocol`

Middleware protocol with generic input, context and output types

`enum MiddlewareFixedTypeBuilder`

Middleware stack result builder

`protocol RouterMiddleware`

Version of [MiddlewareProtocol](#) whose Input is [Request](#) and output is [Response](#).

`class MiddlewareGroup`

Group of middleware that can be used to create a responder chain. Each middleware calls the next one

`struct CORSMiddleware`

Middleware implementing Cross-Origin Resource Sharing (CORS) headers.

`struct LogRequestsMiddleware`

Middleware outputting to log for every call to server.

~~struct~~ TracingMiddleware

Middleware creating Distributed Tracing spans for each request.