



RRD-like HTTP service

Purpose

The service's purpose is to store time series data such as network bandwidth, temperatures, CPU load, and a timestamp at which the metrics have been recorded in a round-robin manner. The service will store a configurable number of entries and evict the oldest entry to make room for the newest.

Use [Aerospike](#) to store the metrics. Initially, support a **single** metric only.

Configuration

- Maximum metric capacity (default to 1000 if not given)

API

The following API endpoints should be exposed:

PUT /metrics

- Request body:
 - timestamp (long)
 - metric value (double)
- Response:
 - HTTP 200 OK if the metric was successfully stored

GET /metrics

- Query parameters:
 - start (optional, long) inclusive
 - end (optional, long) exclusive
- Response:
 - HTTP 200 OK with a list of pairs (long, double) representing the metrics in the specified range
 - HTTP 204 No Content if there are no metrics for the specified range

Notes

1. You may use any library that you find necessary.
2. Follow the best coding practices.
3. Add a README file with basic documentation.
4. Push the source code to a GitHub repo or send it over email.

Bonus points

- Support multiple metrics
- Dockerize the service