

## riemann: a different stream processor

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We present *riemann*: a low-latency transient shared state stream processor.

This opensource monitoring tool is written by Kyle Kingsbury and maintained by the community. Its unique design makes it as flexible as it gets by melting the walls between configuration and code. Whenever its rich API doesn't fit the use-case, it's as simple as using any library in the *clojure* or *java* ecosystem and importing it into the configuration.

We present *riemann*'s basic concepts, as well as some key elements of its API.

Moreover, we illustrate its usefulness in our Tier-1 by showing a few examples of use-cases at *CC-IN2P3*.

For instance, its ability to aggregate thousands of metrics along high-level metadata keys using straightforward

configuration entries is illustrated. Its integration with other monitoring tools like *Nagios*, *InfluxDB*, *Elasticsearch*, etc. is presented.

### Desired length

20

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