

Monitoring

Monitoring design document

commons-monitoring defines a limited set of classes (interface) for application instrumentation :

- **Monitor** is used to specify a monitored resource (with very large sense), defined by a Key. The key itself is a composite of a name, a category (technical application layering) and subsystem (fonctionnal)
- **Repository** to get or create monitors
- **StatValue** to handle application state. It supports some basic statisticals. Derived interface **Gauge** and **Counter** provide more specific methods.

A monitor handle a set of values, identified by roles Strings. Some default roles are defined for *PERFORMANCES* and multi-thread *CONCURRENCY*.

TODO explain period-based monitoring like "per 5 minutes values" used to build monitoring graphs.