README

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1 Thread-safe Python schedulers

The sched.scheduler implementation supplied with Python omits some capabilities that are desirable:

1.1 Thread safety

Scheduling new events and/or removing existing events from other threads isn't always correct. For example, the run method will not awaken and re-schedule itself, if an event is added before the previous earliest event's expiry.

1.2 Ordering

The ordering is strictly by timeout, then priority. Often, other ordering schemes are desirable. For example, ordering by timeout, but then scaling event age by priority to avoid starvation of lower-priority events.