
astrolabe Documentation

Release 0.4.0

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June 13, 2016

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Fast, high resolution timer library for recording performance metrics.

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1.1 Interval

class `astrolabe.interval.Interval`

This is the lowest level timing mechanism available.

It allows for easy measuring based upon a block:

```
interval = Interval()
with interval:
    ...
```

Or measuring something specifically:

```
interval = Interval()
interval.start()
duration = interval.stop()
```

Allocating and starting an interval can be done in one method call with:

```
interval = Interval.now()
```

duration

Returns the integer value of the interval, the value is in milliseconds.

If the interval has not had stop called yet, it will report the number of milliseconds in the interval up to the current point in time.

duration_so_far

Return how the duration so far.

Returns the duration from the time the Interval was started if the interval is running, otherwise False.

classmethod `now()`

Create an interval that has already started

running

Returns whether or not the interval is running or not.

This means that it has started, but not stopped.

split()

Immediately stop the current interval and start a new interval that has a `start_instant` equivalent to the `stop_interval` of self

start ()

Mark the start of the interval.

Calling start on an already started interval has no effect. An interval can only be started once.

Returns True if the interval is truly started True otherwise False.

start_instant

The integer representing the start instant of the Interval.

This value is not useful on its own. It is a platform dependent value.

started

Returns whether or not the interval has been started.

stop ()

Mark the stop of the interval.

Calling stop on an already stopped interval has no effect. An interval can only be stopped once.

Returns the duration if the interval is truly stopped otherwise False.

stop_instant

The integer representing the stop instant of the Interval.

This value is not useful on its own. It is a platform dependent value.

stopped

Returns whether or not the interval has been stopped.

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