package com.twitter.servo.util

import com.twitter.finagle.stats.{Counter, MetricBuilder, StatsReceiver, StatsReceiverProxy}

/\*\*

\* A StatsReceiver that initializes counters to zero.

\* Provides a simple wrapper that wraps a StatsReceiver where when using counters,

\* have them auto initialize to 0.

\* Until a counter performs its first incr() its returned as "undefined",

\* which means if an alert is set on that counter

\* it will result in an error.

\* Another advantage is to remove the need to manually initialize counters in order

\* to overcome aforementioned problem.

\* @param self - underlying StatsReceiver

\*/

class CounterInitializingStatsReceiver(protected val self: StatsReceiver)

extends StatsReceiverProxy {

override def counter(metricBuilder: MetricBuilder): Counter = {

val counter = self.counter(metricBuilder)

counter.incr(0)

counter

}

}