package com.twitter.tweetypie.storage

import com.twitter.finagle.stats.StatsReceiver

object Stats {

// These two methods below (addWidthStat and updatePerFieldQpsCounters) are called per RPC call for most APIs,

// so we rely on the stats receiver that is passed in to the library to do memoization.

private[storage] def addWidthStat(

rpcName: String,

paramName: String,

width: Int,

stats: StatsReceiver

): Unit =

getStat(rpcName, paramName, stats).add(width)

// Updates the counters for each Additional field. The idea here is to expose the QPS for each

// additional field

private[storage] def updatePerFieldQpsCounters(

rpcName: String,

fieldIds: Seq[FieldId],

count: Int,

stats: StatsReceiver

): Unit = {

fieldIds.foreach { fieldId => getCounter(rpcName, fieldId, stats).incr(count) }

}

private def getCounter(rpcName: String, fieldId: FieldId, stats: StatsReceiver) =

stats.scope(rpcName, "fields", fieldId.toString).counter("count")

private def getStat(rpcName: String, paramName: String, stats: StatsReceiver) =

stats.scope(rpcName, paramName).stat("width")

}