package com.twitter.ann.service.query\_server.common.throttling

import com.twitter.server.filter.CgroupsCpu

class AuroraCPUStatsReader() {

val cgroupsCpu = new CgroupsCpu()

def throttledTimeNanos(): Option[Long] = cgroupsCpu.cpuStat.map { cs =>

cs.throttledTimeNanos

}

/\*\*

\* Read assigned cpu number from Mesos files

\*

\* @return positive number is the number of CPUs (can be fractional).

\* -1 means file read failed or it's not a valid Mesos environment.

\*/

def cpuQuota: Double = cgroupsCpu.cfsPeriodMicros match {

case -1L => -1.0

case 0L => 0.0 // avoid divide by 0

case periodMicros =>

cgroupsCpu.cfsQuotaMicros match {

case -1L => -1.0

case quotaMicros => quotaMicros.toDouble / periodMicros.toDouble

}

}

}