package com.twitter.product\_mixer.component\_library.module

import com.twitter.conversions.DurationOps.\_

import com.twitter.conversions.PercentOps.\_

import com.twitter.finagle.ThriftMux

import com.twitter.finagle.thriftmux.MethodBuilder

import com.twitter.finatra.mtls.thriftmux.modules.MtlsClient

import com.twitter.inject.Injector

import com.twitter.inject.annotations.Flags

import com.twitter.inject.thrift.modules.ThriftMethodBuilderClientModule

import com.twitter.search.earlybird.{thriftscala => t}

import com.twitter.util.Duration

import org.apache.thrift.protocol.TCompactProtocol

object EarlybirdModule

extends ThriftMethodBuilderClientModule[

t.EarlybirdService.ServicePerEndpoint,

t.EarlybirdService.MethodPerEndpoint

]

with MtlsClient {

final val EarlybirdTimeoutPerRequest = "earlybird.timeout\_per\_request"

final val EarlybirdTimeoutTotal = "earlybird.timeout\_total"

flag[Duration](

name = EarlybirdTimeoutPerRequest,

default = 200.milliseconds,

help = "Timeout per request for Earlybird")

flag[Duration](

name = EarlybirdTimeoutTotal,

default = 400.milliseconds,

help = "Timeout total for Earlybird")

override val dest = "/s/earlybird-root-superroot/root-superroot"

override val label = "earlybird"

override protected def configureMethodBuilder(

injector: Injector,

methodBuilder: MethodBuilder

): MethodBuilder = {

val timeOutPerRequest: Duration = injector

.instance[Duration](Flags.named(EarlybirdTimeoutPerRequest))

val timeOutTotal: Duration = injector.instance[Duration](Flags.named(EarlybirdTimeoutTotal))

methodBuilder

// See TL-14313 for load testing details that led to 200ms being selected as request timeout

.withTimeoutPerRequest(timeOutPerRequest)

.withTimeoutTotal(timeOutTotal)

.idempotent(5.percent)

}

override def configureThriftMuxClient(

injector: Injector,

client: ThriftMux.Client

): ThriftMux.Client =

super

.configureThriftMuxClient(injector, client)

.withProtocolFactory(new TCompactProtocol.Factory())

override protected def sessionAcquisitionTimeout: Duration = 1.seconds

}