package com.twitter.tweetypie.serverutil

import com.twitter.finagle.Service

import com.twitter.util.Activity

import com.twitter.util.Future

/\*\*

\* Transforms an `Activity` that contains a `Service` into a `Service`.

\* The implementation guarantees that the service is rebuilt only when the

\* activity changes, not on every request.

\*/

object ActivityService {

def apply[Req, Rep](activity: Activity[Service[Req, Rep]]): Service[Req, Rep] = {

val serviceEvent =

ActivityUtil.strict(activity).values.map(\_.get)

new Service[Req, Rep] {

def apply(req: Req): Future[Rep] =

serviceEvent.toFuture.flatMap(\_.apply(req))

}

}

}