package com.twitter.ann.common

import com.google.common.annotations.VisibleForTesting

import com.twitter.util.{Future, FuturePool}

trait ReadWriteFuturePool {

def read[T](f: => T): Future[T]

def write[T](f: => T): Future[T]

}

object ReadWriteFuturePool {

def apply(readPool: FuturePool, writePool: FuturePool): ReadWriteFuturePool = {

new ReadWriteFuturePoolANN(readPool, writePool)

}

def apply(commonPool: FuturePool): ReadWriteFuturePool = {

new ReadWriteFuturePoolANN(commonPool, commonPool)

}

}

@VisibleForTesting

private[ann] class ReadWriteFuturePoolANN(readPool: FuturePool, writePool: FuturePool)

extends ReadWriteFuturePool {

def read[T](f: => T): Future[T] = {

readPool.apply(f)

}

def write[T](f: => T): Future[T] = {

writePool.apply(f)

}

}