package com.twitter.tsp.utils

import com.twitter.bijection.Injection

import scala.util.Try

import net.jpountz.lz4.LZ4CompressorWithLength

import net.jpountz.lz4.LZ4DecompressorWithLength

import net.jpountz.lz4.LZ4Factory

object LZ4Injection extends Injection[Array[Byte], Array[Byte]] {

private val lz4Factory = LZ4Factory.fastestInstance()

private val fastCompressor = new LZ4CompressorWithLength(lz4Factory.fastCompressor())

private val decompressor = new LZ4DecompressorWithLength(lz4Factory.fastDecompressor())

override def apply(a: Array[Byte]): Array[Byte] = LZ4Injection.fastCompressor.compress(a)

override def invert(b: Array[Byte]): Try[Array[Byte]] = Try {

LZ4Injection.decompressor.decompress(b)

}

}