package com.twitter.search.common.schema.earlybird;

import com.twitter.search.common.encoding.docvalues.CSFTypeUtil;

import com.twitter.search.common.schema.base.ImmutableSchemaInterface;

public final class EarlybirdEncodedFeaturesUtil {

private EarlybirdEncodedFeaturesUtil() {

}

/\*\*

\* Returns a byte array that can be stored in a ThriftDocument as bytesField.

\*/

public static byte[] toBytesForThriftDocument(EarlybirdEncodedFeatures features) {

int numInts = features.getNumInts();

byte[] serializedFeatures = new byte[numInts \* Integer.BYTES];

for (int i = 0; i < numInts; i++) {

CSFTypeUtil.convertToBytes(serializedFeatures, i, features.getInt(i));

}

return serializedFeatures;

}

/\*\*

\* Converts data in a given byte array (starting at the provided offset) into

\* EarlybirdEncodedFeatures.

\*/

public static EarlybirdEncodedFeatures fromBytes(

ImmutableSchemaInterface schema, EarlybirdFieldConstants.EarlybirdFieldConstant baseField,

byte[] data, int offset) {

EarlybirdEncodedFeatures features = EarlybirdEncodedFeatures.newEncodedTweetFeatures(

schema, baseField);

for (int idx = 0; idx < features.getNumInts(); ++idx) {

features.setInt(idx, CSFTypeUtil.convertFromBytes(data, offset, idx));

}

return features;

}

}