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

import java.util.concurrent.TimeUnit;

import com.twitter.search.earlybird.thrift.ThriftHistogramSettings;

/\*\*

\* A utility class to provide some functions for TermStatistics request processing

\*/

public final class TermStatisticsUtil {

private static final org.slf4j.Logger LOG =

org.slf4j.LoggerFactory.getLogger(TermStatisticsUtil.class);

private TermStatisticsUtil() {

}

/\*\*

\* Determine the binsize base on settings in ThriftHistogramSettings.granularity

\*/

public static int determineBinSize(ThriftHistogramSettings histogramSettings) {

final int DEFAULT\_BINSIZE = (int) TimeUnit.HOURS.toSeconds(1);

int binSize;

switch (histogramSettings.getGranularity()) {

case DAYS:

binSize = (int) TimeUnit.DAYS.toSeconds(1);

break;

case HOURS:

binSize = (int) TimeUnit.HOURS.toSeconds(1);

break;

case MINUTES:

binSize = (int) TimeUnit.MINUTES.toSeconds(1);

break;

case CUSTOM:

binSize = histogramSettings.isSetBinSizeInSeconds()

? histogramSettings.getBinSizeInSeconds()

: DEFAULT\_BINSIZE;

break;

default:

binSize = DEFAULT\_BINSIZE;

LOG.warn("Unknown ThriftHistogramGranularityType {} using default binsize: {}",

histogramSettings.getGranularity(), DEFAULT\_BINSIZE);

}

return binSize;

}

}