package com.twitter.search.earlybird.partition.freshstartup;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import com.twitter.search.earlybird.partition.SegmentWriter;

// Data collected and produced while building a segment.

class SegmentBuildInfo {

private static final Logger LOG = LoggerFactory.getLogger(SegmentBuildInfo.class);

// Inclusive boundaries. [start, end].

private final long tweetStartOffset;

private final long tweetEndOffset;

private final int index;

private final boolean lastSegment;

private long startTweetId;

private long maxIndexedTweetId;

private KafkaOffsetPair updateKafkaOffsetPair;

private SegmentWriter segmentWriter;

public SegmentBuildInfo(long tweetStartOffset,

long tweetEndOffset,

int index,

boolean lastSegment) {

this.tweetStartOffset = tweetStartOffset;

this.tweetEndOffset = tweetEndOffset;

this.index = index;

this.lastSegment = lastSegment;

this.startTweetId = -1;

this.updateKafkaOffsetPair = null;

this.maxIndexedTweetId = -1;

this.segmentWriter = null;

}

public void setUpdateKafkaOffsetPair(KafkaOffsetPair updateKafkaOffsetPair) {

this.updateKafkaOffsetPair = updateKafkaOffsetPair;

}

public KafkaOffsetPair getUpdateKafkaOffsetPair() {

return updateKafkaOffsetPair;

}

public boolean isLastSegment() {

return lastSegment;

}

public void setStartTweetId(long startTweetId) {

this.startTweetId = startTweetId;

}

public long getTweetStartOffset() {

return tweetStartOffset;

}

public long getTweetEndOffset() {

return tweetEndOffset;

}

public long getStartTweetId() {

return startTweetId;

}

public int getIndex() {

return index;

}

public void setMaxIndexedTweetId(long maxIndexedTweetId) {

this.maxIndexedTweetId = maxIndexedTweetId;

}

public long getMaxIndexedTweetId() {

return maxIndexedTweetId;

}

public SegmentWriter getSegmentWriter() {

return segmentWriter;

}

public void setSegmentWriter(SegmentWriter segmentWriter) {

this.segmentWriter = segmentWriter;

}

public void logState() {

LOG.info("SegmentBuildInfo (index:{})", index);

LOG.info(String.format(" Start offset: %,d", tweetStartOffset));

LOG.info(String.format(" End offset: %,d", tweetEndOffset));

LOG.info(String.format(" Start tweet id: %d", startTweetId));

}

}