package com.twitter.search.earlybird.index;

import java.io.IOException;

import org.apache.lucene.store.Directory;

import org.slf4j.Logger;

import org.slf4j.LoggerFactory;

import com.twitter.common.util.Clock;

import com.twitter.search.common.partitioning.base.Segment;

import com.twitter.search.earlybird.EarlybirdIndexConfig;

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

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

import com.twitter.search.earlybird.stats.EarlybirdSearcherStats;

public class EarlybirdSegmentFactory {

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

private final EarlybirdIndexConfig earlybirdIndexConfig;

private final SearchIndexingMetricSet searchIndexingMetricSet;

private final EarlybirdSearcherStats searcherStats;

private Clock clock;

public EarlybirdSegmentFactory(

EarlybirdIndexConfig earlybirdIndexConfig,

SearchIndexingMetricSet searchIndexingMetricSet,

EarlybirdSearcherStats searcherStats,

Clock clock) {

this.earlybirdIndexConfig = earlybirdIndexConfig;

this.searchIndexingMetricSet = searchIndexingMetricSet;

this.searcherStats = searcherStats;

this.clock = clock;

}

public EarlybirdIndexConfig getEarlybirdIndexConfig() {

return earlybirdIndexConfig;

}

/\*\*

\* Creates a new earlybird segment.

\*/

public EarlybirdSegment newEarlybirdSegment(Segment segment, SegmentSyncInfo segmentSyncInfo)

throws IOException {

Directory dir = earlybirdIndexConfig.newLuceneDirectory(segmentSyncInfo);

LOG.info("Creating EarlybirdSegment on " + dir.toString());

return new EarlybirdSegment(

segment.getSegmentName(),

segment.getTimeSliceID(),

segment.getMaxSegmentSize(),

dir,

earlybirdIndexConfig,

searchIndexingMetricSet,

searcherStats,

clock);

}

}