package com.twitter.search.earlybird.archive.segmentbuilder;

import java.util.HashMap;

import java.util.Map;

import com.twitter.common.util.Clock;

/\*\*

\* A class that prevents handling a given segment more than once every hdfsCheckIntervalMillis

\*/

public class RateLimitingSegmentHandler {

private final long hdfsCheckIntervalMillis;

private final Clock clock;

private final Map<String, Long> segmentNameToLastUpdatedTimeMillis = new HashMap<>();

RateLimitingSegmentHandler(long hdfsCheckIntervalMillis, Clock clock) {

this.hdfsCheckIntervalMillis = hdfsCheckIntervalMillis;

this.clock = clock;

}

SegmentBuilderSegment processSegment(SegmentBuilderSegment segment)

throws SegmentUpdaterException, SegmentInfoConstructionException {

String segmentName = segment.getSegmentName();

Long lastUpdatedMillis = segmentNameToLastUpdatedTimeMillis.get(segmentName);

if (lastUpdatedMillis == null) {

lastUpdatedMillis = 0L;

}

long nowMillis = clock.nowMillis();

if (nowMillis - lastUpdatedMillis < hdfsCheckIntervalMillis) {

return segment;

}

segmentNameToLastUpdatedTimeMillis.put(segmentName, nowMillis);

return segment.handle();

}

}