package com.twitter.search.earlybird.search.queries;

import java.io.IOException;

import org.apache.lucene.index.LeafReader;

import org.apache.lucene.search.DocIdSet;

import org.apache.lucene.search.DocIdSetIterator;

import org.apache.lucene.util.Bits;

import org.apache.lucene.util.RamUsageEstimator;

import com.twitter.search.core.earlybird.index.util.AllDocsIterator;

public final class MatchAllDocIdSet extends DocIdSet {

private final LeafReader reader;

public MatchAllDocIdSet(LeafReader reader) {

this.reader = reader;

}

@Override

public DocIdSetIterator iterator() throws IOException {

return new AllDocsIterator(reader);

}

@Override

public Bits bits() throws IOException {

return new Bits() {

@Override

public boolean get(int index) {

return true;

}

@Override

public int length() {

return reader.maxDoc();

}

};

}

@Override

public long ramBytesUsed() {

return RamUsageEstimator.shallowSizeOf(this);

}

}