package com.twitter.search.core.earlybird.facets;

import java.io.IOException;

import java.util.List;

import com.google.common.base.Preconditions;

import org.apache.lucene.facet.Facets;

import org.apache.lucene.facet.FacetsCollector;

import org.apache.lucene.facet.sortedset.SortedSetDocValuesFacetCounts;

import org.apache.lucene.facet.sortedset.SortedSetDocValuesReaderState;

import com.twitter.search.common.facets.CountFacetSearchParam;

import com.twitter.search.common.facets.FacetSearchParam;

import com.twitter.search.common.facets.FacetsFactory;

/\*\*

\* Factory for SortedSetDocValuesFacetCounts

\*/

public class SortedSetDocValuesFacetsFactory implements FacetsFactory {

private final SortedSetDocValuesReaderState state;

public SortedSetDocValuesFacetsFactory(SortedSetDocValuesReaderState state) {

this.state = state;

}

@Override

public Facets create(

List<FacetSearchParam> facetSearchParams,

FacetsCollector facetsCollector) throws IOException {

Preconditions.checkNotNull(facetsCollector);

return new SortedSetDocValuesFacetCounts(state, facetsCollector);

}

@Override

public boolean accept(FacetSearchParam facetSearchParam) {

return facetSearchParam instanceof CountFacetSearchParam

&& (facetSearchParam.getFacetFieldRequest().getPath() == null

|| facetSearchParam.getFacetFieldRequest().getPath().isEmpty())

&& SortedSetDocValuesReaderStateHelper.isDimSupported(

state, facetSearchParam.getFacetFieldRequest().getField());

}

}