package com.twitter.search.earlybird\_root;

import javax.inject.Inject;

import javax.inject.Singleton;

import com.twitter.finagle.Service;

import com.twitter.finagle.mtls.authorization.server.MtlsServerSessionTrackerFilter;

import com.twitter.search.common.clientstats.FinagleClientStatsFilter;

import com.twitter.search.common.root.LoggingFilter;

import com.twitter.search.common.root.RequestValidationFilter;

import com.twitter.search.earlybird.thrift.EarlybirdRequest;

import com.twitter.search.earlybird.thrift.EarlybirdResponse;

import com.twitter.search.earlybird.thrift.EarlybirdService;

import com.twitter.search.earlybird.thrift.EarlybirdStatusResponse;

import com.twitter.search.earlybird\_root.filters.ClientIdArchiveAccessFilter;

import com.twitter.search.earlybird\_root.filters.ClientIdQuotaFilter;

import com.twitter.search.earlybird\_root.filters.ClientIdTrackingFilter;

import com.twitter.search.earlybird\_root.filters.ClientRequestTimeFilter;

import com.twitter.search.earlybird\_root.filters.DeadlineTimeoutStatsFilter;

import com.twitter.search.earlybird\_root.filters.DisableClientByTierFilter;

import com.twitter.search.earlybird\_root.filters.EarlybirdFeatureSchemaAnnotateFilter;

import com.twitter.search.earlybird\_root.filters.InitializeRequestContextFilter;

import com.twitter.search.earlybird\_root.filters.MetadataTrackingFilter;

import com.twitter.search.earlybird\_root.filters.NamedMultiTermDisjunctionStatsFilter;

import com.twitter.search.earlybird\_root.filters.NullcastTrackingFilter;

import com.twitter.search.earlybird\_root.filters.PreCacheRequestTypeCountFilter;

import com.twitter.search.earlybird\_root.filters.QueryLangStatFilter;

import com.twitter.search.earlybird\_root.filters.QueryOperatorStatFilter;

import com.twitter.search.earlybird\_root.filters.QueryTokenizerFilter;

import com.twitter.search.earlybird\_root.filters.RequestResultStatsFilter;

import com.twitter.search.earlybird\_root.filters.RequestSuccessStatsFilter;

import com.twitter.search.earlybird\_root.filters.ResponseCodeStatFilter;

import com.twitter.search.earlybird\_root.filters.SearchPayloadSizeLocalContextFilter;

import com.twitter.search.earlybird\_root.filters.RejectRequestsByQuerySourceFilter;

import com.twitter.search.earlybird\_root.filters.StratoAttributionClientIdFilter;

import com.twitter.search.earlybird\_root.filters.TopLevelExceptionHandlingFilter;

import com.twitter.search.earlybird\_root.filters.VeryRecentTweetsFilter;

import com.twitter.util.Future;

@Singleton

class SuperRootService implements EarlybirdService.ServiceIface {

private final Service<EarlybirdRequest, EarlybirdResponse> fullSearchMethod;

@Inject

public SuperRootService(

TopLevelExceptionHandlingFilter topLevelExceptionHandlingFilter,

ResponseCodeStatFilter responseCodeStatFilter,

LoggingFilter<EarlybirdRequest, EarlybirdResponse> loggingFilter,

NamedMultiTermDisjunctionStatsFilter namedMultiTermDisjunctionStatsFilter,

RequestValidationFilter<EarlybirdRequest, EarlybirdResponse> validationFilter,

MtlsServerSessionTrackerFilter<EarlybirdRequest, EarlybirdResponse> mtlsFilter,

FinagleClientStatsFilter<EarlybirdRequest, EarlybirdResponse> finagleStatsFilter,

InitializeFilter initializeFilter,

InitializeRequestContextFilter initializeRequestContextFilter,

QueryLangStatFilter queryLangStatFilter,

QueryOperatorStatFilter queryOperatorStatFilter,

RequestResultStatsFilter requestResultStatsFilter,

PreCacheRequestTypeCountFilter preCacheRequestTypeCountFilter,

ClientIdArchiveAccessFilter clientIdArchiveAccessFilter,

DisableClientByTierFilter disableClientByTierFilter,

ClientIdTrackingFilter clientIdTrackingFilter,

ClientIdQuotaFilter quotaFilter,

RejectRequestsByQuerySourceFilter rejectRequestsByQuerySourceFilter,

MetadataTrackingFilter metadataTrackingFilter,

VeryRecentTweetsFilter veryRecentTweetsFilter,

RequestSuccessStatsFilter requestSuccessStatsFilter,

NullcastTrackingFilter nullcastTrackingFilter,

QueryTokenizerFilter queryTokenizerFilter,

ClientRequestTimeFilter clientRequestTimeFilter,

DeadlineTimeoutStatsFilter deadlineTimeoutStatsFilter,

SuperRootRequestTypeRouter superRootSearchService,

EarlybirdFeatureSchemaAnnotateFilter featureSchemaAnnotateFilter,

SearchPayloadSizeLocalContextFilter searchPayloadSizeLocalContextFilter,

StratoAttributionClientIdFilter stratoAttributionClientIdFilter) {

this.fullSearchMethod =

loggingFilter

.andThen(topLevelExceptionHandlingFilter)

.andThen(stratoAttributionClientIdFilter)

.andThen(clientRequestTimeFilter)

.andThen(searchPayloadSizeLocalContextFilter)

.andThen(requestSuccessStatsFilter)

.andThen(requestResultStatsFilter)

.andThen(responseCodeStatFilter)

.andThen(validationFilter)

.andThen(mtlsFilter)

.andThen(finagleStatsFilter)

.andThen(disableClientByTierFilter)

.andThen(clientIdTrackingFilter)

.andThen(quotaFilter)

.andThen(clientIdArchiveAccessFilter)

.andThen(rejectRequestsByQuerySourceFilter)

.andThen(namedMultiTermDisjunctionStatsFilter)

.andThen(metadataTrackingFilter)

.andThen(veryRecentTweetsFilter)

.andThen(initializeFilter)

.andThen(initializeRequestContextFilter)

.andThen(deadlineTimeoutStatsFilter)

.andThen(queryLangStatFilter)

.andThen(nullcastTrackingFilter)

.andThen(queryOperatorStatFilter)

.andThen(preCacheRequestTypeCountFilter)

.andThen(queryTokenizerFilter)

.andThen(featureSchemaAnnotateFilter)

.andThen(superRootSearchService);

}

@Override

public Future<String> getName() {

return Future.value("superroot");

}

@Override

public Future<EarlybirdStatusResponse> getStatus() {

throw new UnsupportedOperationException("not supported");

}

@Override

public Future<EarlybirdResponse> search(EarlybirdRequest request) {

return fullSearchMethod.apply(request);

}

}