package com.twitter.follow\_recommendations.configapi

import com.twitter.finagle.stats.StatsReceiver

import com.twitter.follow\_recommendations.common.candidate\_sources.base.SocialProofEnforcedCandidateSourceFSConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.crowd\_search\_accounts.CrowdSearchAccountsFSConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.geo.PopGeoQualityFollowSourceFSConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.top\_organic\_follows\_accounts.TopOrganicFollowsAccountsFSConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.geo.PopGeoSourceFSConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.ppmi\_locale\_follow.PPMILocaleFollowSourceFSConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.real\_graph.RealGraphOonFSConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.recent\_engagement.RepeatedProfileVisitsFSConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.sims.SimsSourceFSConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.sims\_expansion.RecentEngagementSimilarUsersFSConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.sims\_expansion.SimsExpansionFSConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.socialgraph.RecentFollowingRecentFollowingExpansionSourceFSConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.stp.OfflineStpSourceFsConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.stp.OnlineSTPSourceFSConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.triangular\_loops.TriangularLoopsFSConfig

import com.twitter.follow\_recommendations.common.candidate\_sources.user\_user\_graph.UserUserGraphFSConfig

import com.twitter.follow\_recommendations.common.feature\_hydration.sources.FeatureHydrationSourcesFSConfig

import com.twitter.follow\_recommendations.common.rankers.weighted\_candidate\_source\_ranker.WeightedCandidateSourceRankerFSConfig

import com.twitter.follow\_recommendations.configapi.common.FeatureSwitchConfig

import com.twitter.follow\_recommendations.flows.content\_recommender\_flow.ContentRecommenderFlowFSConfig

import com.twitter.follow\_recommendations.common.predicates.gizmoduck.GizmoduckPredicateFSConfig

import com.twitter.follow\_recommendations.common.predicates.hss.HssPredicateFSConfig

import com.twitter.follow\_recommendations.common.predicates.sgs.SgsPredicateFSConfig

import com.twitter.follow\_recommendations.flows.post\_nux\_ml.PostNuxMlFlowFSConfig

import com.twitter.logging.Logger

import com.twitter.timelines.configapi.BaseConfigBuilder

import com.twitter.timelines.configapi.FeatureSwitchOverrideUtil

import javax.inject.Inject

import javax.inject.Singleton

@Singleton

class FeatureSwitchConfigs @Inject() (

globalFeatureSwitchConfig: GlobalFeatureSwitchConfig,

featureHydrationSourcesFSConfig: FeatureHydrationSourcesFSConfig,

weightedCandidateSourceRankerFSConfig: WeightedCandidateSourceRankerFSConfig,

// Flow related config

contentRecommenderFlowFSConfig: ContentRecommenderFlowFSConfig,

postNuxMlFlowFSConfig: PostNuxMlFlowFSConfig,

// Candidate source related config

crowdSearchAccountsFSConfig: CrowdSearchAccountsFSConfig,

offlineStpSourceFsConfig: OfflineStpSourceFsConfig,

onlineSTPSourceFSConfig: OnlineSTPSourceFSConfig,

popGeoSourceFSConfig: PopGeoSourceFSConfig,

popGeoQualityFollowFSConfig: PopGeoQualityFollowSourceFSConfig,

realGraphOonFSConfig: RealGraphOonFSConfig,

repeatedProfileVisitsFSConfig: RepeatedProfileVisitsFSConfig,

recentEngagementSimilarUsersFSConfig: RecentEngagementSimilarUsersFSConfig,

recentFollowingRecentFollowingExpansionSourceFSConfig: RecentFollowingRecentFollowingExpansionSourceFSConfig,

simsExpansionFSConfig: SimsExpansionFSConfig,

simsSourceFSConfig: SimsSourceFSConfig,

socialProofEnforcedCandidateSourceFSConfig: SocialProofEnforcedCandidateSourceFSConfig,

triangularLoopsFSConfig: TriangularLoopsFSConfig,

userUserGraphFSConfig: UserUserGraphFSConfig,

// Predicate related configs

gizmoduckPredicateFSConfig: GizmoduckPredicateFSConfig,

hssPredicateFSConfig: HssPredicateFSConfig,

sgsPredicateFSConfig: SgsPredicateFSConfig,

ppmiLocaleSourceFSConfig: PPMILocaleFollowSourceFSConfig,

topOrganicFollowsAccountsFSConfig: TopOrganicFollowsAccountsFSConfig,

statsReceiver: StatsReceiver) {

val logger = Logger(classOf[FeatureSwitchConfigs])

val mergedFSConfig =

FeatureSwitchConfig.merge(

Seq(

globalFeatureSwitchConfig,

featureHydrationSourcesFSConfig,

weightedCandidateSourceRankerFSConfig,

// Flow related config

contentRecommenderFlowFSConfig,

postNuxMlFlowFSConfig,

// Candidate source related config

crowdSearchAccountsFSConfig,

offlineStpSourceFsConfig,

onlineSTPSourceFSConfig,

popGeoSourceFSConfig,

popGeoQualityFollowFSConfig,

realGraphOonFSConfig,

repeatedProfileVisitsFSConfig,

recentEngagementSimilarUsersFSConfig,

recentFollowingRecentFollowingExpansionSourceFSConfig,

simsExpansionFSConfig,

simsSourceFSConfig,

socialProofEnforcedCandidateSourceFSConfig,

triangularLoopsFSConfig,

userUserGraphFSConfig,

// Predicate related configs:

gizmoduckPredicateFSConfig,

hssPredicateFSConfig,

sgsPredicateFSConfig,

ppmiLocaleSourceFSConfig,

topOrganicFollowsAccountsFSConfig,

)

)

/\*\*

\* enum params have to be listed in this main file together as otherwise we'll have to pass in

\* some signature like `Seq[FSEnumParams[\_]]` which are generics of generics and won't compile.

\* we only have enumFsParams from globalFeatureSwitchConfig at the moment

\*/

val enumOverrides = globalFeatureSwitchConfig.enumFsParams.flatMap { enumParam =>

FeatureSwitchOverrideUtil.getEnumFSOverrides(statsReceiver, logger, enumParam)

}

val gatedOverrides = mergedFSConfig.gatedOverridesMap.flatMap {

case (fsName, overrides) =>

FeatureSwitchOverrideUtil.gatedOverrides(fsName, overrides: \_\*)

}

val enumSeqOverrides = globalFeatureSwitchConfig.enumSeqFsParams.flatMap { enumSeqParam =>

FeatureSwitchOverrideUtil.getEnumSeqFSOverrides(statsReceiver, logger, enumSeqParam)

}

val overrides =

FeatureSwitchOverrideUtil

.getBooleanFSOverrides(mergedFSConfig.booleanFSParams: \_\*) ++

FeatureSwitchOverrideUtil

.getBoundedIntFSOverrides(mergedFSConfig.intFSParams: \_\*) ++

FeatureSwitchOverrideUtil

.getBoundedLongFSOverrides(mergedFSConfig.longFSParams: \_\*) ++

FeatureSwitchOverrideUtil

.getBoundedDoubleFSOverrides(mergedFSConfig.doubleFSParams: \_\*) ++

FeatureSwitchOverrideUtil

.getDurationFSOverrides(mergedFSConfig.durationFSParams: \_\*) ++

FeatureSwitchOverrideUtil

.getBoundedOptionalDoubleOverrides(mergedFSConfig.optionalDoubleFSParams: \_\*) ++

FeatureSwitchOverrideUtil.getStringSeqFSOverrides(mergedFSConfig.stringSeqFSParams: \_\*) ++

enumOverrides ++

gatedOverrides ++

enumSeqOverrides

val config = BaseConfigBuilder(overrides).build("FollowRecommendationServiceFeatureSwitches")

}