package com.twitter.tsp.common

import com.twitter.finagle.stats.NullStatsReceiver

import com.twitter.logging.Logger

import com.twitter.timelines.configapi.BaseConfig

import com.twitter.timelines.configapi.BaseConfigBuilder

import com.twitter.timelines.configapi.FSBoundedParam

import com.twitter.timelines.configapi.FSParam

import com.twitter.timelines.configapi.FeatureSwitchOverrideUtil

object TopicSocialProofParams {

object TopicTweetsSemanticCoreVersionId

extends FSBoundedParam[Long](

name = "topic\_tweets\_semantic\_core\_annotation\_version\_id",

default = 1433487161551032320L,

min = 0L,

max = Long.MaxValue

)

object TopicTweetsSemanticCoreVersionIdsSet

extends FSParam[Set[Long]](

name = "topic\_tweets\_semantic\_core\_annotation\_version\_id\_allowed\_set",

default = Set(TopicTweetsSemanticCoreVersionId.default))

/\*\*

\* Controls the Topic Social Proof cosine similarity threshold for the Topic Tweets.

\*/

object TweetToTopicCosineSimilarityThreshold

extends FSBoundedParam[Double](

name = "topic\_tweets\_cosine\_similarity\_threshold\_tsp",

default = 0.0,

min = 0.0,

max = 1.0

)

object EnablePersonalizedContextTopics // master feature switch to enable backfill

extends FSParam[Boolean](

name = "topic\_tweets\_personalized\_contexts\_enable\_personalized\_contexts",

default = false

)

object EnableYouMightLikeTopic

extends FSParam[Boolean](

name = "topic\_tweets\_personalized\_contexts\_enable\_you\_might\_like",

default = false

)

object EnableRecentEngagementsTopic

extends FSParam[Boolean](

name = "topic\_tweets\_personalized\_contexts\_enable\_recent\_engagements",

default = false

)

object EnableTopicTweetHealthFilterPersonalizedContexts

extends FSParam[Boolean](

name = "topic\_tweets\_personalized\_contexts\_health\_switch",

default = true

)

object EnableTweetToTopicScoreRanking

extends FSParam[Boolean](

name = "topic\_tweets\_enable\_tweet\_to\_topic\_score\_ranking",

default = true

)

}

object FeatureSwitchConfig {

private val enumFeatureSwitchOverrides = FeatureSwitchOverrideUtil

.getEnumFSOverrides(

NullStatsReceiver,

Logger(getClass),

)

private val intFeatureSwitchOverrides = FeatureSwitchOverrideUtil.getBoundedIntFSOverrides()

private val longFeatureSwitchOverrides = FeatureSwitchOverrideUtil.getBoundedLongFSOverrides(

TopicSocialProofParams.TopicTweetsSemanticCoreVersionId

)

private val doubleFeatureSwitchOverrides = FeatureSwitchOverrideUtil.getBoundedDoubleFSOverrides(

TopicSocialProofParams.TweetToTopicCosineSimilarityThreshold,

)

private val longSetFeatureSwitchOverrides = FeatureSwitchOverrideUtil.getLongSetFSOverrides(

TopicSocialProofParams.TopicTweetsSemanticCoreVersionIdsSet,

)

private val booleanFeatureSwitchOverrides = FeatureSwitchOverrideUtil.getBooleanFSOverrides(

TopicSocialProofParams.EnablePersonalizedContextTopics,

TopicSocialProofParams.EnableYouMightLikeTopic,

TopicSocialProofParams.EnableRecentEngagementsTopic,

TopicSocialProofParams.EnableTopicTweetHealthFilterPersonalizedContexts,

TopicSocialProofParams.EnableTweetToTopicScoreRanking,

)

val config: BaseConfig = BaseConfigBuilder()

.set(enumFeatureSwitchOverrides: \_\*)

.set(intFeatureSwitchOverrides: \_\*)

.set(longFeatureSwitchOverrides: \_\*)

.set(doubleFeatureSwitchOverrides: \_\*)

.set(longSetFeatureSwitchOverrides: \_\*)

.set(booleanFeatureSwitchOverrides: \_\*)

.build()

}