package com.twitter.visibility.configapi.params

import com.twitter.timelines.configapi.Bounded

import com.twitter.timelines.configapi.FSBoundedParam

import com.twitter.timelines.configapi.FSName

import com.twitter.timelines.configapi.FeatureName

import com.twitter.timelines.configapi.HasTimeConversion

import com.twitter.timelines.configapi.TimeConversion

import com.twitter.util.Time

import com.twitter.visibility.common.ModelScoreThresholds

private[visibility] object FeatureSwitchKey extends Enumeration {

type FeatureSwitchKey = String

final val HighSpammyTweetContentScoreSearchTopProdTweetLabelDropFuleThreshold =

"high\_spammy\_tweet\_content\_score\_search\_top\_prod\_tweet\_label\_drop\_rule\_threshold"

final val HighSpammyTweetContentScoreSearchLatestProdTweetLabelDropRuleThreshold =

"high\_spammy\_tweet\_content\_score\_search\_latest\_prod\_tweet\_label\_drop\_rule\_threshold"

final val HighSpammyTweetContentScoreTrendTopTweetLabelDropRuleThreshold =

"high\_spammy\_tweet\_content\_score\_trend\_top\_tweet\_label\_drop\_rule\_threshold"

final val HighSpammyTweetContentScoreTrendLatestTweetLabelDropRuleThreshold =

"high\_spammy\_tweet\_content\_score\_trend\_latest\_tweet\_label\_drop\_rule\_threshold"

final val HighSpammyTweetContentScoreConvoDownrankAbusiveQualityThreshold =

"high\_spammy\_tweet\_content\_score\_convos\_downranking\_abusive\_quality\_threshold"

final val NsfwAgeBasedDropRulesHoldbackParam =

"nsfw\_age\_based\_drop\_rules\_holdback"

final val CommunityTweetDropRuleEnabled =

"community\_tweet\_drop\_rule\_enabled"

final val CommunityTweetDropProtectedRuleEnabled =

"community\_tweet\_drop\_protected\_rule\_enabled"

final val CommunityTweetLimitedActionsRulesEnabled =

"community\_tweet\_limited\_actions\_rules\_enabled"

final val CommunityTweetMemberRemovedLimitedActionsRulesEnabled =

"community\_tweet\_member\_removed\_limited\_actions\_rules\_enabled"

final val CommunityTweetCommunityUnavailableLimitedActionsRulesEnabled =

"community\_tweet\_community\_unavailable\_limited\_actions\_rules\_enabled"

final val CommunityTweetNonMemberLimitedActionsRuleEnabled =

"community\_tweet\_non\_member\_limited\_actions\_rule\_enabled"

final val TrustedFriendsTweetLimitedEngagementsRuleEnabled =

"trusted\_friends\_tweet\_limited\_engagements\_rule\_enabled"

final val CountrySpecificNsfwContentGatingCountries =

"country\_specific\_nsfw\_content\_gating\_countries"

final val AgeGatingAdultContentExperimentCountries =

"age\_gating\_adult\_content\_experiment\_countries"

final val AgeGatingAdultContentExperimentEnabled =

"age\_gating\_adult\_content\_experiment\_enabled"

final val HighToxicityModelScoreSpaceThreshold =

"high\_toxicity\_model\_score\_space\_threshold"

final val CardUriRootDomainDenyList = "card\_uri\_root\_domain\_deny\_list"

final val SkipTweetDetailLimitedEngagementsRuleEnabled =

"skip\_tweet\_detail\_limited\_engagements\_rule\_enabled"

final val AdAvoidanceHighToxicityModelScoreThreshold =

"ad\_avoidance\_model\_thresholds\_high\_toxicity\_model"

final val AdAvoidanceReportedTweetModelScoreThreshold =

"ad\_avoidance\_model\_thresholds\_reported\_tweet\_model"

final val StaleTweetLimitedActionsRulesEnabled =

"stale\_tweet\_limited\_actions\_rules\_enabled"

final val FosnrFallbackDropRulesEnabled =

"freedom\_of\_speech\_not\_reach\_fallback\_drop\_rules\_enabled"

final val FosnrRulesEnabled =

"freedom\_of\_speech\_not\_reach\_rules\_enabled"

}

abstract class FSRuleParam[T](override val name: FeatureName, override val default: T)

extends RuleParam(default)

with FSName

abstract class FSBoundedRuleParam[T](

override val name: FeatureName,

override val default: T,

override val min: T,

override val max: T

)(

implicit override val ordering: Ordering[T])

extends RuleParam(default)

with Bounded[T]

with FSName

abstract class FSTimeRuleParam[T](

override val name: FeatureName,

override val default: Time,

override val timeConversion: TimeConversion[T])

extends RuleParam(default)

with HasTimeConversion[T]

with FSName

abstract class FSEnumRuleParam[T <: Enumeration](

override val name: FeatureName,

override val default: T#Value,

override val enum: T)

extends EnumRuleParam(default, enum)

with FSName

private[visibility] object FSRuleParams {

object HighSpammyTweetContentScoreSearchTopProdTweetLabelDropRuleThresholdParam

extends FSBoundedParam(

FeatureSwitchKey.HighSpammyTweetContentScoreSearchTopProdTweetLabelDropFuleThreshold,

default = ModelScoreThresholds.HighSpammyTweetContentScoreDefaultThreshold,

min = 0,

max = 1)

object HighSpammyTweetContentScoreSearchLatestProdTweetLabelDropRuleThresholdParam

extends FSBoundedParam(

FeatureSwitchKey.HighSpammyTweetContentScoreSearchLatestProdTweetLabelDropRuleThreshold,

default = ModelScoreThresholds.HighSpammyTweetContentScoreDefaultThreshold,

min = 0,

max = 1)

object HighSpammyTweetContentScoreTrendTopTweetLabelDropRuleThresholdParam

extends FSBoundedParam(

FeatureSwitchKey.HighSpammyTweetContentScoreTrendTopTweetLabelDropRuleThreshold,

default = ModelScoreThresholds.HighSpammyTweetContentScoreDefaultThreshold,

min = 0,

max = 1)

object HighSpammyTweetContentScoreTrendLatestTweetLabelDropRuleThresholdParam

extends FSBoundedParam(

FeatureSwitchKey.HighSpammyTweetContentScoreTrendLatestTweetLabelDropRuleThreshold,

default = ModelScoreThresholds.HighSpammyTweetContentScoreDefaultThreshold,

min = 0,

max = 1)

object HighSpammyTweetContentScoreConvoDownrankAbusiveQualityThresholdParam

extends FSBoundedParam(

FeatureSwitchKey.HighSpammyTweetContentScoreConvoDownrankAbusiveQualityThreshold,

default = ModelScoreThresholds.HighSpammyTweetContentScoreDefaultThreshold,

min = 0,

max = 1)

object CommunityTweetDropRuleEnabledParam

extends FSRuleParam(FeatureSwitchKey.CommunityTweetDropRuleEnabled, true)

object CommunityTweetDropProtectedRuleEnabledParam

extends FSRuleParam(FeatureSwitchKey.CommunityTweetDropProtectedRuleEnabled, true)

object CommunityTweetLimitedActionsRulesEnabledParam

extends FSRuleParam(FeatureSwitchKey.CommunityTweetLimitedActionsRulesEnabled, false)

object CommunityTweetMemberRemovedLimitedActionsRulesEnabledParam

extends FSRuleParam(

FeatureSwitchKey.CommunityTweetMemberRemovedLimitedActionsRulesEnabled,

false)

object CommunityTweetCommunityUnavailableLimitedActionsRulesEnabledParam

extends FSRuleParam(

FeatureSwitchKey.CommunityTweetCommunityUnavailableLimitedActionsRulesEnabled,

false)

object CommunityTweetNonMemberLimitedActionsRuleEnabledParam

extends FSRuleParam(FeatureSwitchKey.CommunityTweetNonMemberLimitedActionsRuleEnabled, false)

object TrustedFriendsTweetLimitedEngagementsRuleEnabledParam

extends FSRuleParam(FeatureSwitchKey.TrustedFriendsTweetLimitedEngagementsRuleEnabled, false)

object SkipTweetDetailLimitedEngagementRuleEnabledParam

extends FSRuleParam(FeatureSwitchKey.SkipTweetDetailLimitedEngagementsRuleEnabled, false)

object NsfwAgeBasedDropRulesHoldbackParam

extends FSRuleParam(FeatureSwitchKey.NsfwAgeBasedDropRulesHoldbackParam, true)

object CountrySpecificNsfwContentGatingCountriesParam

extends FSRuleParam[Seq[String]](

FeatureSwitchKey.CountrySpecificNsfwContentGatingCountries,

default = Seq("au"))

object AgeGatingAdultContentExperimentCountriesParam

extends FSRuleParam[Seq[String]](

FeatureSwitchKey.AgeGatingAdultContentExperimentCountries,

default = Seq.empty)

object AgeGatingAdultContentExperimentRuleEnabledParam

extends FSRuleParam(FeatureSwitchKey.AgeGatingAdultContentExperimentEnabled, default = false)

object HighToxicityModelScoreSpaceThresholdParam

extends FSBoundedParam(

FeatureSwitchKey.HighToxicityModelScoreSpaceThreshold,

default = ModelScoreThresholds.HighToxicityModelScoreSpaceDefaultThreshold,

min = 0,

max = 1)

object CardUriRootDomainDenyListParam

extends FSRuleParam[Seq[String]](

FeatureSwitchKey.CardUriRootDomainDenyList,

default = Seq.empty)

object AdAvoidanceHighToxicityModelScoreThresholdParam

extends FSBoundedParam(

FeatureSwitchKey.AdAvoidanceHighToxicityModelScoreThreshold,

default = ModelScoreThresholds.AdAvoidanceHighToxicityModelScoreDefaultThreshold,

min = 0,

max = 1)

object AdAvoidanceReportedTweetModelScoreThresholdParam

extends FSBoundedParam(

FeatureSwitchKey.AdAvoidanceReportedTweetModelScoreThreshold,

default = ModelScoreThresholds.AdAvoidanceReportedTweetModelScoreDefaultThreshold,

min = 0,

max = 1)

object StaleTweetLimitedActionsRulesEnabledParam

extends FSRuleParam(FeatureSwitchKey.StaleTweetLimitedActionsRulesEnabled, false)

object FosnrFallbackDropRulesEnabledParam

extends FSRuleParam(FeatureSwitchKey.FosnrFallbackDropRulesEnabled, false)

object FosnrRulesEnabledParam extends FSRuleParam(FeatureSwitchKey.FosnrRulesEnabled, true)

}