package com.twitter.cr\_mixer.param

import com.twitter.conversions.DurationOps.richDurationFromInt

import com.twitter.timelines.configapi.BaseConfig

import com.twitter.timelines.configapi.BaseConfigBuilder

import com.twitter.timelines.configapi.DurationConversion

import com.twitter.timelines.configapi.FSName

import com.twitter.timelines.configapi.FSBoundedParam

import com.twitter.timelines.configapi.FSParam

import com.twitter.timelines.configapi.FeatureSwitchOverrideUtil

import com.twitter.timelines.configapi.HasDurationConversion

import com.twitter.timelines.configapi.Param

import com.twitter.util.Duration

object ConsumerBasedWalsParams {

object EnableSourceParam

extends FSParam[Boolean](

name = "consumer\_based\_wals\_enable\_source",

default = false

)

object ModelNameParam

extends FSParam[String](

name = "consumer\_based\_wals\_model\_name",

default = "model\_0"

)

object WilyNsNameParam

extends FSParam[String](

name = "consumer\_based\_wals\_wily\_ns\_name",

default = ""

)

object ModelInputNameParam

extends FSParam[String](

name = "consumer\_based\_wals\_model\_input\_name",

default = "examples"

)

object ModelOutputNameParam

extends FSParam[String](

name = "consumer\_based\_wals\_model\_output\_name",

default = "all\_tweet\_ids"

)

object ModelSignatureNameParam

extends FSParam[String](

name = "consumer\_based\_wals\_model\_signature\_name",

default = "serving\_default"

)

object MaxTweetSignalAgeHoursParam

extends FSBoundedParam[Duration](

name = "consumer\_based\_wals\_max\_tweet\_signal\_age\_hours",

default = 72.hours,

min = 1.hours,

max = 720.hours

)

with HasDurationConversion {

override val durationConversion: DurationConversion = DurationConversion.FromHours

}

val AllParams: Seq[Param[\_] with FSName] = Seq(

EnableSourceParam,

ModelNameParam,

ModelInputNameParam,

ModelOutputNameParam,

ModelSignatureNameParam,

MaxTweetSignalAgeHoursParam,

WilyNsNameParam,

)

lazy val config: BaseConfig = {

val booleanOverrides = FeatureSwitchOverrideUtil.getBooleanFSOverrides(

EnableSourceParam,

)

val stringOverrides = FeatureSwitchOverrideUtil.getStringFSOverrides(

ModelNameParam,

ModelInputNameParam,

ModelOutputNameParam,

ModelSignatureNameParam,

WilyNsNameParam

)

val boundedDurationFSOverrides =

FeatureSwitchOverrideUtil.getBoundedDurationFSOverrides(MaxTweetSignalAgeHoursParam)

BaseConfigBuilder()

.set(booleanOverrides: \_\*)

.set(stringOverrides: \_\*)

.set(boundedDurationFSOverrides: \_\*)

.build()

}

}