package com.twitter.visibility.rules

import com.twitter.visibility.configapi.params.RuleParam

import com.twitter.visibility.configapi.params.RuleParams.EnableDownrankSpamReplySectioningRuleParam

import com.twitter.visibility.configapi.params.RuleParams.EnableNotGraduatedSearchDropRuleParam

import com.twitter.visibility.configapi.params.RuleParams.EnableNsfwTextSectioningRuleParam

import com.twitter.visibility.configapi.params.RuleParams.NotGraduatedUserLabelRuleHoldbackExperimentParam

import com.twitter.visibility.models.TweetSafetyLabelType

import com.twitter.visibility.models.UserLabelValue

import com.twitter.visibility.rules.Condition.And

import com.twitter.visibility.rules.Condition.LoggedOutOrViewerNotFollowingAuthor

import com.twitter.visibility.rules.Condition.LoggedOutOrViewerOptInFiltering

import com.twitter.visibility.rules.Condition.NonAuthorViewer

import com.twitter.visibility.rules.Condition.Not

import com.twitter.visibility.rules.Condition.TweetComposedBefore

import com.twitter.visibility.rules.Condition.ViewerDoesFollowAuthor

import com.twitter.visibility.rules.Condition.ViewerOptInFilteringOnSearch

import com.twitter.visibility.rules.Reason.Nsfw

import com.twitter.visibility.rules.Reason.Unspecified

import com.twitter.visibility.rules.RuleActionSourceBuilder.TweetSafetyLabelSourceBuilder

case object SafeSearchTweetRules {

object SafeSearchAbusiveTweetLabelRule

extends NonAuthorViewerOptInFilteringWithTweetLabelRule(

Drop(Unspecified),

TweetSafetyLabelType.Abusive

)

with DoesLogVerdict {

override def actionSourceBuilder: Option[RuleActionSourceBuilder] = Some(

TweetSafetyLabelSourceBuilder(TweetSafetyLabelType.Abusive))

}

object SafeSearchNsfwHighPrecisionTweetLabelRule

extends NonAuthorViewerOptInFilteringWithTweetLabelRule(

Drop(Nsfw),

TweetSafetyLabelType.NsfwHighPrecision

)

object SafeSearchGoreAndViolenceHighPrecisionTweetLabelRule

extends NonAuthorViewerOptInFilteringWithTweetLabelRule(

Drop(Nsfw),

TweetSafetyLabelType.GoreAndViolenceHighPrecision

)

object SafeSearchNsfwReportedHeuristicsTweetLabelRule

extends NonAuthorViewerOptInFilteringWithTweetLabelRule(

Drop(Nsfw),

TweetSafetyLabelType.NsfwReportedHeuristics

)

object SafeSearchGoreAndViolenceReportedHeuristicsTweetLabelRule

extends NonAuthorViewerOptInFilteringWithTweetLabelRule(

Drop(Nsfw),

TweetSafetyLabelType.GoreAndViolenceReportedHeuristics

)

object SafeSearchNsfwCardImageTweetLabelRule

extends NonAuthorViewerOptInFilteringWithTweetLabelRule(

Drop(Nsfw),

TweetSafetyLabelType.NsfwCardImage

)

object SafeSearchNsfwHighRecallTweetLabelRule

extends NonAuthorViewerOptInFilteringWithTweetLabelRule(

Drop(Nsfw),

TweetSafetyLabelType.NsfwHighRecall

)

object SafeSearchNsfwVideoTweetLabelRule

extends NonAuthorViewerOptInFilteringWithTweetLabelRule(

Drop(Nsfw),

TweetSafetyLabelType.NsfwVideo

)

object SafeSearchNsfwTextTweetLabelRule

extends NonAuthorViewerOptInFilteringWithTweetLabelRule(

Drop(Nsfw),

TweetSafetyLabelType.NsfwText

) {

override def enabled: Seq[RuleParam[Boolean]] = Seq(EnableNsfwTextSectioningRuleParam)

}

object SafeSearchNsfwTextAuthorLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Nsfw),

UserLabelValue.DownrankSpamReply

) {

override def enabled: Seq[RuleParam[Boolean]] = Seq(EnableNsfwTextSectioningRuleParam)

}

object SafeSearchGoreAndViolenceTweetLabelRule

extends ConditionWithTweetLabelRule(

Drop(Unspecified),

And(

NonAuthorViewer,

TweetComposedBefore(TweetSafetyLabelType.GoreAndViolence.DeprecatedAt),

LoggedOutOrViewerOptInFiltering

),

TweetSafetyLabelType.GoreAndViolence

)

object SafeSearchUntrustedUrlTweetLabelRule

extends NonAuthorViewerOptInFilteringWithTweetLabelRule(

Drop(Unspecified),

TweetSafetyLabelType.UntrustedUrl

)

object SafeSearchDownrankSpamReplyTweetLabelRule

extends NonAuthorViewerOptInFilteringWithTweetLabelRule(

Drop(Unspecified),

TweetSafetyLabelType.DownrankSpamReply

) {

override def enabled: Seq[RuleParam[Boolean]] =

Seq(EnableDownrankSpamReplySectioningRuleParam)

}

object SafeSearchDownrankSpamReplyAuthorLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Unspecified),

UserLabelValue.DownrankSpamReply

) {

override def enabled: Seq[RuleParam[Boolean]] =

Seq(EnableDownrankSpamReplySectioningRuleParam)

}

object SafeSearchAutomationNonFollowerTweetLabelRule

extends NonFollowerViewerOptInFilteringWithTweetLabelRule(

Drop(Unspecified),

TweetSafetyLabelType.Automation

)

object SafeSearchDuplicateMentionNonFollowerTweetLabelRule

extends NonFollowerViewerOptInFilteringWithTweetLabelRule(

Drop(Unspecified),

TweetSafetyLabelType.DuplicateMention

)

object SafeSearchBystanderAbusiveTweetLabelRule

extends NonAuthorViewerOptInFilteringWithTweetLabelRule(

Drop(Unspecified),

TweetSafetyLabelType.BystanderAbusive

)

}

case object UnsafeSearchTweetRules {

object UnsafeSearchNsfwHighPrecisionInterstitialAllUsersTweetLabelRule

extends ConditionWithTweetLabelRule(

Interstitial(Nsfw),

Not(ViewerOptInFilteringOnSearch),

TweetSafetyLabelType.NsfwHighPrecision

)

object UnsafeSearchGoreAndViolenceHighPrecisionAllUsersTweetLabelRule

extends ConditionWithTweetLabelRule(

Interstitial(Nsfw),

Not(ViewerOptInFilteringOnSearch),

TweetSafetyLabelType.GoreAndViolenceHighPrecision

)

object UnsafeSearchGoreAndViolenceHighPrecisionAllUsersTweetLabelDropRule

extends ConditionWithTweetLabelRule(

Drop(Nsfw),

Not(ViewerOptInFilteringOnSearch),

TweetSafetyLabelType.GoreAndViolenceHighPrecision

)

object UnsafeSearchNsfwReportedHeuristicsAllUsersTweetLabelRule

extends ConditionWithTweetLabelRule(

Interstitial(Nsfw),

Not(ViewerOptInFilteringOnSearch),

TweetSafetyLabelType.NsfwReportedHeuristics

)

object UnsafeSearchNsfwReportedHeuristicsAllUsersTweetLabelDropRule

extends ConditionWithTweetLabelRule(

Drop(Nsfw),

Not(ViewerOptInFilteringOnSearch),

TweetSafetyLabelType.NsfwReportedHeuristics

)

object UnsafeSearchNsfwHighPrecisionAllUsersTweetLabelDropRule

extends ConditionWithTweetLabelRule(

Drop(Nsfw),

Not(ViewerOptInFilteringOnSearch),

TweetSafetyLabelType.NsfwHighPrecision

)

object UnsafeSearchGoreAndViolenceReportedHeuristicsAllUsersTweetLabelRule

extends ConditionWithTweetLabelRule(

Interstitial(Nsfw),

Not(ViewerOptInFilteringOnSearch),

TweetSafetyLabelType.GoreAndViolenceReportedHeuristics

)

object UnsafeSearchGoreAndViolenceReportedHeuristicsAllUsersTweetLabelDropRule

extends ConditionWithTweetLabelRule(

Drop(Nsfw),

Not(ViewerOptInFilteringOnSearch),

TweetSafetyLabelType.GoreAndViolenceReportedHeuristics

)

object UnsafeSearchNsfwCardImageAllUsersTweetLabelRule

extends ConditionWithTweetLabelRule(

Interstitial(Nsfw),

Not(ViewerOptInFilteringOnSearch),

TweetSafetyLabelType.NsfwCardImage

)

object UnsafeSearchNsfwCardImageAllUsersTweetLabelDropRule

extends ConditionWithTweetLabelRule(

Drop(Nsfw),

Not(ViewerOptInFilteringOnSearch),

TweetSafetyLabelType.NsfwCardImage

)

}

case object SafeSearchUserRules {

object SafeSearchAbusiveUserLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Unspecified),

UserLabelValue.Abusive

)

object SafeSearchAbusiveHighRecallUserLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Unspecified),

UserLabelValue.AbusiveHighRecall,

LoggedOutOrViewerNotFollowingAuthor

)

object SafeSearchHighRecallUserLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Nsfw),

UserLabelValue.NsfwHighRecall,

LoggedOutOrViewerNotFollowingAuthor

)

object SafeSearchCompromisedUserLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Unspecified),

UserLabelValue.Compromised

)

object SafeSearchDuplicateContentUserLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Unspecified),

UserLabelValue.DuplicateContent

)

object SafeSearchLowQualityUserLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Unspecified),

UserLabelValue.LowQuality

)

object SafeSearchNsfwHighPrecisionUserLabelRule

extends ConditionWithUserLabelRule(

Drop(Nsfw),

LoggedOutOrViewerOptInFiltering,

UserLabelValue.NsfwHighPrecision

)

object SafeSearchNsfwAvatarImageUserLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Nsfw),

UserLabelValue.NsfwAvatarImage

)

object SafeSearchNsfwBannerImageUserLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Nsfw),

UserLabelValue.NsfwBannerImage

)

object SafeSearchNsfwNearPerfectAuthorRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Nsfw),

UserLabelValue.NsfwNearPerfect

)

object SafeSearchReadOnlyUserLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Unspecified),

UserLabelValue.ReadOnly

)

object SafeSearchSpamHighRecallUserLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Unspecified),

UserLabelValue.SpamHighRecall

)

object SafeSearchSearchBlacklistUserLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Unspecified),

UserLabelValue.SearchBlacklist

)

object SafeSearchNsfwTextUserLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Unspecified),

UserLabelValue.NsfwText

) {

override def enabled: Seq[RuleParam[Boolean]] =

Seq(EnableNsfwTextSectioningRuleParam)

}

object SafeSearchDoNotAmplifyNonFollowersUserLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Unspecified),

UserLabelValue.DoNotAmplify,

prerequisiteCondition = Not(ViewerDoesFollowAuthor)

)

object SafeSearchNotGraduatedNonFollowersUserLabelRule

extends ViewerOptInFilteringOnSearchUserLabelRule(

Drop(Unspecified),

UserLabelValue.NotGraduated,

prerequisiteCondition = Not(ViewerDoesFollowAuthor)

) {

override def enabled: Seq[RuleParam[Boolean]] =

Seq(EnableNotGraduatedSearchDropRuleParam)

override def holdbacks: Seq[RuleParam[Boolean]] =

Seq(NotGraduatedUserLabelRuleHoldbackExperimentParam)

}

}