package com.twitter.visibility.rules

import com.twitter.visibility.configapi.params.FSRuleParams.HighToxicityModelScoreSpaceThresholdParam

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

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

import com.twitter.visibility.models.SpaceSafetyLabelType.CoordinatedHarmfulActivityHighRecall

import com.twitter.visibility.models.SpaceSafetyLabelType.DoNotAmplify

import com.twitter.visibility.models.SpaceSafetyLabelType.MisleadingHighRecall

import com.twitter.visibility.models.SpaceSafetyLabelType.NsfwHighPrecision

import com.twitter.visibility.models.SpaceSafetyLabelType.NsfwHighRecall

import com.twitter.visibility.models.SpaceSafetyLabelType.UntrustedUrl

import com.twitter.visibility.models.UserLabelValue.Abusive

import com.twitter.visibility.models.UserLabelValue.BlinkWorst

import com.twitter.visibility.models.UserLabelValue.DelayedRemediation

import com.twitter.visibility.models.UserLabelValue.NsfwAvatarImage

import com.twitter.visibility.models.UserLabelValue.NsfwBannerImage

import com.twitter.visibility.models.UserLabelValue.NsfwNearPerfect

import com.twitter.visibility.models.SpaceSafetyLabelType

import com.twitter.visibility.models.SpaceSafetyLabelType.HatefulHighRecall

import com.twitter.visibility.models.SpaceSafetyLabelType.HighToxicityModelScore

import com.twitter.visibility.models.SpaceSafetyLabelType.ViolenceHighRecall

import com.twitter.visibility.models.UserLabelValue

import com.twitter.visibility.rules.Condition.\_

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

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

object SpaceRules {

abstract class SpaceHasLabelRule(

action: Action,

safetyLabelType: SpaceSafetyLabelType)

extends RuleWithConstantAction(action, And(SpaceHasLabel(safetyLabelType), NonAuthorViewer))

abstract class SpaceHasLabelAndNonFollowerRule(

action: Action,

safetyLabelType: SpaceSafetyLabelType)

extends RuleWithConstantAction(

action,

And(SpaceHasLabel(safetyLabelType), LoggedOutOrViewerNotFollowingAuthor))

abstract class AnySpaceHostOrAdminHasLabelRule(

action: Action,

userLabel: UserLabelValue)

extends WhenAuthorUserLabelPresentRule(action, userLabel)

abstract class AnySpaceHostOrAdminHasLabelAndNonFollowerRule(

action: Action,

userLabel: UserLabelValue)

extends ConditionWithUserLabelRule(action, LoggedOutOrViewerNotFollowingAuthor, userLabel)

object SpaceDoNotAmplifyAllUsersDropRule

extends SpaceHasLabelRule(

Drop(Unspecified),

DoNotAmplify,

)

object SpaceDoNotAmplifyNonFollowerDropRule

extends SpaceHasLabelAndNonFollowerRule(

Drop(Unspecified),

DoNotAmplify,

)

object SpaceCoordHarmfulActivityHighRecallAllUsersDropRule

extends SpaceHasLabelRule(

Drop(Unspecified),

CoordinatedHarmfulActivityHighRecall,

)

object SpaceCoordHarmfulActivityHighRecallNonFollowerDropRule

extends SpaceHasLabelAndNonFollowerRule(

Drop(Unspecified),

CoordinatedHarmfulActivityHighRecall,

)

object SpaceUntrustedUrlAllUsersDropRule

extends SpaceHasLabelRule(

Drop(Unspecified),

UntrustedUrl,

)

object SpaceUntrustedUrlNonFollowerDropRule

extends SpaceHasLabelAndNonFollowerRule(

Drop(Unspecified),

UntrustedUrl,

)

object SpaceMisleadingHighRecallNonFollowerDropRule

extends SpaceHasLabelAndNonFollowerRule(

Drop(Unspecified),

MisleadingHighRecall,

)

object SpaceNsfwHighPrecisionAllUsersInterstitialRule

extends SpaceHasLabelRule(

Interstitial(Nsfw),

NsfwHighPrecision,

)

object SpaceNsfwHighPrecisionAllUsersDropRule

extends SpaceHasLabelRule(

Drop(Nsfw),

NsfwHighPrecision,

)

object SpaceNsfwHighPrecisionNonFollowerDropRule

extends SpaceHasLabelAndNonFollowerRule(

Drop(Nsfw),

NsfwHighPrecision,

)

object SpaceNsfwHighPrecisionSafeSearchNonFollowerDropRule

extends RuleWithConstantAction(

Drop(Nsfw),

And(

SpaceHasLabel(NsfwHighPrecision),

NonAuthorViewer,

LoggedOutOrViewerOptInFiltering,

Not(ViewerDoesFollowAuthor),

),

)

object SpaceNsfwHighRecallAllUsersDropRule

extends SpaceHasLabelRule(

Drop(Nsfw),

NsfwHighRecall,

)

object SpaceNsfwHighRecallNonFollowerDropRule

extends SpaceHasLabelAndNonFollowerRule(

Drop(Nsfw),

NsfwHighRecall,

)

object SpaceNsfwHighRecallSafeSearchNonFollowerDropRule

extends RuleWithConstantAction(

Drop(Nsfw),

And(

SpaceHasLabel(NsfwHighRecall),

NonAuthorViewer,

LoggedOutOrViewerOptInFiltering,

Not(ViewerDoesFollowAuthor),

),

)

object SpaceHatefulHighRecallAllUsersDropRule

extends SpaceHasLabelRule(

Drop(Unspecified),

HatefulHighRecall,

)

object SpaceViolenceHighRecallAllUsersDropRule

extends SpaceHasLabelRule(

Drop(Unspecified),

ViolenceHighRecall,

)

object SpaceHighToxicityScoreNonFollowerDropRule

extends RuleWithConstantAction(

Drop(Unspecified),

And(

SpaceHasLabelWithScoreAboveThresholdWithParam(

HighToxicityModelScore,

HighToxicityModelScoreSpaceThresholdParam

),

NonAuthorViewer,

LoggedOutOrViewerNotFollowingAuthor,

)

)

with ExperimentalRule

object ViewerHasMatchingMutedKeywordInSpaceTitleForNotificationsRule

extends OnlyWhenNotAuthorViewerRule(

Drop(Reason.MutedKeyword),

Condition.ViewerHasMatchingKeywordInSpaceTitleForNotifications

) {

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

EnableMutedKeywordFilteringSpaceTitleNotificationsRuleParam)

}

object UserAbusiveNonFollowerDropRule

extends AnySpaceHostOrAdminHasLabelAndNonFollowerRule(

Drop(Unspecified),

Abusive

)

object UserBlinkWorstAllUsersDropRule

extends AnySpaceHostOrAdminHasLabelRule(

Drop(Unspecified),

BlinkWorst

)

object UserNsfwNearPerfectNonFollowerDropRule

extends AnySpaceHostOrAdminHasLabelAndNonFollowerRule(

Drop(Nsfw),

NsfwNearPerfect

)

object UserNsfwHighPrecisionNonFollowerDropRule

extends AnySpaceHostOrAdminHasLabelAndNonFollowerRule(

Drop(Nsfw),

UserLabelValue.NsfwHighPrecision

)

object UserNsfwAvatarImageNonFollowerDropRule

extends AnySpaceHostOrAdminHasLabelAndNonFollowerRule(

Drop(Nsfw),

NsfwAvatarImage

)

object UserNsfwBannerImageNonFollowerDropRule

extends AnySpaceHostOrAdminHasLabelAndNonFollowerRule(

Drop(Nsfw),

NsfwBannerImage

)

}