package com.twitter.visibility.configapi.configs

import com.twitter.decider.Recipient

import com.twitter.decider.SimpleRecipient

import com.twitter.finagle.stats.StatsReceiver

import com.twitter.logging.Logger

import com.twitter.servo.decider.DeciderGateBuilder

import com.twitter.timelines.configapi.BaseConfigBuilder

import com.twitter.timelines.configapi.BaseRequestContext

import com.twitter.timelines.configapi.Config

import com.twitter.timelines.configapi.Param

import com.twitter.timelines.configapi.WithGuestId

import com.twitter.timelines.configapi.WithUserId

import com.twitter.timelines.configapi.decider.DeciderSwitchOverrideValue

import com.twitter.timelines.configapi.decider.GuestRecipient

import com.twitter.timelines.configapi.decider.RecipientBuilder

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

import com.twitter.visibility.configapi.params.TimelineConversationsDownrankingSpecificParams

import com.twitter.visibility.models.SafetyLevel

import com.twitter.visibility.models.SafetyLevel.\_

private[visibility] object VisibilityDeciders {

val SafetyLevelToDeciderMap: Map[SafetyLevel, DeciderKey.Value] = Map(

AllSubscribedLists -> DeciderKey.EnableAllSubscribedListsSafetyLevel,

AccessInternalPromotedContent -> DeciderKey.EnableAccessInternalPromotedContentSafetyLevel,

AdsBusinessSettings -> DeciderKey.EnableAdsBusinessSettingsSafetyLevel,

AdsCampaign -> DeciderKey.EnableAdsCampaignSafetyLevel,

AdsManager -> DeciderKey.EnableAdsManagerSafetyLevel,

AdsReportingDashboard -> DeciderKey.EnableAdsReportingDashboardSafetyLevel,

Appeals -> DeciderKey.EnableAppealsSafetyLevel,

ArticleTweetTimeline -> DeciderKey.EnableArticleTweetTimelineSafetyLevel,

BaseQig -> DeciderKey.EnableBaseQig,

BirdwatchNoteAuthor -> DeciderKey.EnableBirdwatchNoteAuthorSafetyLevel,

BirdwatchNoteTweetsTimeline -> DeciderKey.EnableBirdwatchNoteTweetsTimelineSafetyLevel,

BirdwatchNeedsYourHelpNotifications -> DeciderKey.EnableBirdwatchNeedsYourHelpNotificationsSafetyLevel,

BlockMuteUsersTimeline -> DeciderKey.EnableBlockMuteUsersTimelineSafetyLevel,

BrandSafety -> DeciderKey.EnableBrandSafetySafetyLevel,

CardPollVoting -> DeciderKey.EnableCardPollVotingSafetyLevel,

CardsService -> DeciderKey.EnableCardsServiceSafetyLevel,

Communities -> DeciderKey.EnableCommunitiesSafetyLevel,

ContentControlToolInstall -> DeciderKey.EnableContentControlToolInstallSafetyLevel,

ConversationFocalPrehydration -> DeciderKey.EnableConversationFocalPrehydrationSafetyLevel,

ConversationFocalTweet -> DeciderKey.EnableConversationFocalTweetSafetyLevel,

ConversationInjectedTweet -> DeciderKey.EnableConversationInjectedTweetSafetyLevel,

ConversationReply -> DeciderKey.EnableConversationReplySafetyLevel,

CuratedTrendsRepresentativeTweet -> DeciderKey.EnableCuratedTrendsRepresentativeTweet,

CurationPolicyViolations -> DeciderKey.EnableCurationPolicyViolations,

DeprecatedSafetyLevel -> DeciderKey.EnableDeprecatedSafetyLevelSafetyLevel,

DevPlatformGetListTweets -> DeciderKey.EnableDevPlatformGetListTweetsSafetyLevel,

DesFollowingAndFollowersUserList -> DeciderKey.EnableDesFollowingAndFollowersUserListSafetyLevel,

DesHomeTimeline -> DeciderKey.EnableDesHomeTimelineSafetyLevel,

DesQuoteTweetTimeline -> DeciderKey.EnableDesQuoteTweetTimelineSafetyLevel,

DesRealtime -> DeciderKey.EnableDesRealtimeSafetyLevel,

DesRealtimeSpamEnrichment -> DeciderKey.EnableDesRealtimeSpamEnrichmentSafetyLevel,

DesRealtimeTweetFilter -> DeciderKey.EnableDesRealtimeTweetFilterSafetyLevel,

DesRetweetingUsers -> DeciderKey.EnableDesRetweetingUsersSafetyLevel,

DesTweetDetail -> DeciderKey.EnableDesTweetDetailSafetyLevel,

DesTweetLikingUsers -> DeciderKey.EnableDesTweetLikingUsersSafetyLevel,

DesUserBookmarks -> DeciderKey.EnableDesUserBookmarksSafetyLevel,

DesUserLikedTweets -> DeciderKey.EnableDesUserLikedTweetsSafetyLevel,

DesUserMentions -> DeciderKey.EnableDesUserMentionsSafetyLevel,

DesUserTweets -> DeciderKey.EnableDesUserTweetsSafetyLevel,

DevPlatformComplianceStream -> DeciderKey.EnableDevPlatformComplianceStreamSafetyLevel,

DirectMessages -> DeciderKey.EnableDirectMessagesSafetyLevel,

DirectMessagesConversationList -> DeciderKey.EnableDirectMessagesConversationListSafetyLevel,

DirectMessagesConversationTimeline -> DeciderKey.EnableDirectMessagesConversationTimelineSafetyLevel,

DirectMessagesInbox -> DeciderKey.EnableDirectMessagesInboxSafetyLevel,

DirectMessagesMutedUsers -> DeciderKey.EnableDirectMessagesMutedUsersSafetyLevel,

DirectMessagesPinned -> DeciderKey.EnableDirectMessagesPinnedSafetyLevel,

DirectMessagesSearch -> DeciderKey.EnableDirectMessagesSearchSafetyLevel,

EditHistoryTimeline -> DeciderKey.EnableEditHistoryTimelineSafetyLevel,

ElevatedQuoteTweetTimeline -> DeciderKey.EnableElevatedQuoteTweetTimelineSafetyLevel,

EmbeddedTweet -> DeciderKey.EnableEmbeddedTweetSafetyLevel,

EmbedsPublicInterestNotice -> DeciderKey.EnableEmbedsPublicInterestNoticeSafetyLevel,

EmbedTweetMarkup -> DeciderKey.EnableEmbedTweetMarkupSafetyLevel,

FilterAll -> DeciderKey.EnableFilterAllSafetyLevel,

FilterAllPlaceholder -> DeciderKey.EnableFilterAllPlaceholderSafetyLevel,

FilterNone -> DeciderKey.EnableFilterNoneSafetyLevel,

FilterDefault -> DeciderKey.EnableFilterDefaultSafetyLevel,

FollowedTopicsTimeline -> DeciderKey.EnableFollowedTopicsTimelineSafetyLevel,

FollowerConnections -> DeciderKey.EnableFollowerConnectionsSafetyLevel,

FollowingAndFollowersUserList -> DeciderKey.EnableFollowingAndFollowersUserListSafetyLevel,

ForDevelopmentOnly -> DeciderKey.EnableForDevelopmentOnlySafetyLevel,

FriendsFollowingList -> DeciderKey.EnableFriendsFollowingListSafetyLevel,

GraphqlDefault -> DeciderKey.EnableGraphqlDefaultSafetyLevel,

GryphonDecksAndColumns -> DeciderKey.EnableGryphonDecksAndColumnsSafetyLevel,

HumanizationNudge -> DeciderKey.EnableHumanizationNudgeSafetyLevel,

KitchenSinkDevelopment -> DeciderKey.EnableKitchenSinkDevelopmentSafetyLevel,

ListHeader -> DeciderKey.EnableListHeaderSafetyLevel,

ListMemberships -> DeciderKey.EnableListMembershipsSafetyLevel,

ListOwnerships -> DeciderKey.EnableListOwnershipsSafetyLevel,

ListRecommendations -> DeciderKey.EnableListRecommendationsSafetyLevel,

ListSearch -> DeciderKey.EnableListSearchSafetyLevel,

ListSubscriptions -> DeciderKey.EnableListSubscriptionsSafetyLevel,

LiveVideoTimeline -> DeciderKey.EnableLiveVideoTimelineSafetyLevel,

LivePipelineEngagementCounts -> DeciderKey.EnableLivePipelineEngagementCountsSafetyLevel,

MagicRecs -> DeciderKey.EnableMagicRecsSafetyLevel,

MagicRecsAggressive -> DeciderKey.EnableMagicRecsAggressiveSafetyLevel,

MagicRecsAggressiveV2 -> DeciderKey.EnableMagicRecsAggressiveV2SafetyLevel,

MagicRecsV2 -> DeciderKey.EnableMagicRecsV2SafetyLevel,

Minimal -> DeciderKey.EnableMinimalSafetyLevel,

ModeratedTweetsTimeline -> DeciderKey.EnableModeratedTweetsTimelineSafetyLevel,

Moments -> DeciderKey.EnableMomentsSafetyLevel,

NearbyTimeline -> DeciderKey.EnableNearbyTimelineSafetyLevel,

NewUserExperience -> DeciderKey.EnableNewUserExperienceSafetyLevel,

NotificationsIbis -> DeciderKey.EnableNotificationsIbisSafetyLevel,

NotificationsPlatform -> DeciderKey.EnableNotificationsPlatformSafetyLevel,

NotificationsPlatformPush -> DeciderKey.EnableNotificationsPlatformPushSafetyLevel,

NotificationsQig -> DeciderKey.EnableNotificationsQig,

NotificationsRead -> DeciderKey.EnableNotificationsReadSafetyLevel,

NotificationsTimelineDeviceFollow -> DeciderKey.EnableNotificationsTimelineDeviceFollowSafetyLevel,

NotificationsWrite -> DeciderKey.EnableNotificationsWriteSafetyLevel,

NotificationsWriterV2 -> DeciderKey.EnableNotificationsWriterV2SafetyLevel,

NotificationsWriterTweetHydrator -> DeciderKey.EnableNotificationsWriterTweetHydratorSafetyLevel,

ProfileMixerMedia -> DeciderKey.EnableProfileMixeMediaSafetyLevel,

ProfileMixerFavorites -> DeciderKey.EnableProfileMixerFavoritesSafetyLevel,

QuickPromoteTweetEligibility -> DeciderKey.EnableQuickPromoteTweetEligibilitySafetyLevel,

QuoteTweetTimeline -> DeciderKey.EnableQuoteTweetTimelineSafetyLevel,

QuotedTweetRules -> DeciderKey.EnableQuotedTweetRulesSafetyLevel,

Recommendations -> DeciderKey.EnableRecommendationsSafetyLevel,

RecosVideo -> DeciderKey.EnableRecosVideoSafetyLevel,

RecosWritePath -> DeciderKey.EnableRecosWritePathSafetyLevel,

RepliesGrouping -> DeciderKey.EnableRepliesGroupingSafetyLevel,

ReportCenter -> DeciderKey.EnableReportCenterSafetyLevel,

ReturningUserExperience -> DeciderKey.EnableReturningUserExperienceSafetyLevel,

ReturningUserExperienceFocalTweet -> DeciderKey.EnableReturningUserExperienceFocalTweetSafetyLevel,

Revenue -> DeciderKey.EnableRevenueSafetyLevel,

RitoActionedTweetTimeline -> DeciderKey.EnableRitoActionedTweetTimelineSafetyLevel,

SafeSearchMinimal -> DeciderKey.EnableSafeSearchMinimalSafetyLevel,

SafeSearchStrict -> DeciderKey.EnableSafeSearchStrictSafetyLevel,

SearchMixerSrpMinimal -> DeciderKey.EnableSearchMixerSrpMinimalSafetyLevel,

SearchMixerSrpStrict -> DeciderKey.EnableSearchMixerSrpStrictSafetyLevel,

SearchHydration -> DeciderKey.EnableSearchHydration,

SearchLatest -> DeciderKey.EnableSearchLatest,

SearchPeopleSrp -> DeciderKey.EnableSearchPeopleSrp,

SearchPeopleTypeahead -> DeciderKey.EnableSearchPeopleTypeahead,

SearchPhoto -> DeciderKey.EnableSearchPhoto,

SearchTrendTakeoverPromotedTweet -> DeciderKey.EnableSearchTrendTakeoverPromotedTweet,

SearchTop -> DeciderKey.EnableSearchTop,

SearchTopQig -> DeciderKey.EnableSearchTopQig,

SearchVideo -> DeciderKey.EnableSearchVideo,

SearchBlenderUserRules -> DeciderKey.EnableSearchLatestUserRules,

SearchLatestUserRules -> DeciderKey.EnableSearchLatestUserRules,

ShoppingManagerSpyMode -> DeciderKey.EnableShoppingManagerSpyModeSafetyLevel,

SignalsReactions -> DeciderKey.EnableSignalsReactions,

SignalsTweetReactingUsers -> DeciderKey.EnableSignalsTweetReactingUsers,

SocialProof -> DeciderKey.EnableSocialProof,

SoftInterventionPivot -> DeciderKey.EnableSoftInterventionPivot,

SpaceFleetline -> DeciderKey.EnableSpaceFleetlineSafetyLevel,

SpaceHomeTimelineUpranking -> DeciderKey.EnableSpaceHomeTimelineUprankingSafetyLevel,

SpaceJoinScreen -> DeciderKey.EnableSpaceJoinScreenSafetyLevel,

SpaceNotifications -> DeciderKey.EnableSpaceNotificationsSafetyLevel,

Spaces -> DeciderKey.EnableSpacesSafetyLevel,

SpacesParticipants -> DeciderKey.EnableSpacesParticipantsSafetyLevel,

SpacesSellerApplicationStatus -> DeciderKey.EnableSpacesSellerApplicationStatus,

SpacesSharing -> DeciderKey.EnableSpacesSharingSafetyLevel,

SpaceTweetAvatarHomeTimeline -> DeciderKey.EnableSpaceTweetAvatarHomeTimelineSafetyLevel,

StickersTimeline -> DeciderKey.EnableStickersTimelineSafetyLevel,

StratoExtLimitedEngagements -> DeciderKey.EnableStratoExtLimitedEngagementsSafetyLevel,

StreamServices -> DeciderKey.EnableStreamServicesSafetyLevel,

SuperFollowerConnections -> DeciderKey.EnableSuperFollowerConnectionsSafetyLevel,

SuperLike -> DeciderKey.EnableSuperLikeSafetyLevel,

Test -> DeciderKey.EnableTestSafetyLevel,

TimelineContentControls -> DeciderKey.EnableTimelineContentControlsSafetyLevel,

TimelineConversations -> DeciderKey.EnableTimelineConversationsSafetyLevel,

TimelineConversationsDownranking -> DeciderKey.EnableTimelineConversationsDownrankingSafetyLevel,

TimelineConversationsDownrankingMinimal -> DeciderKey.EnableTimelineConversationsDownrankingMinimalSafetyLevel,

TimelineFollowingActivity -> DeciderKey.EnableTimelineFollowingActivitySafetyLevel,

TimelineHome -> DeciderKey.EnableTimelineHomeSafetyLevel,

TimelineHomeCommunities -> DeciderKey.EnableTimelineHomeCommunitiesSafetyLevel,

TimelineHomeHydration -> DeciderKey.EnableTimelineHomeHydrationSafetyLevel,

TimelineHomePromotedHydration -> DeciderKey.EnableTimelineHomePromotedHydrationSafetyLevel,

TimelineHomeRecommendations -> DeciderKey.EnableTimelineHomeRecommendationsSafetyLevel,

TimelineHomeTopicFollowRecommendations -> DeciderKey.EnableTimelineHomeTopicFollowRecommendationsSafetyLevel,

TimelineScorer -> DeciderKey.EnableTimelineScorerSafetyLevel,

TopicsLandingPageTopicRecommendations -> DeciderKey.EnableTopicsLandingPageTopicRecommendationsSafetyLevel,

ExploreRecommendations -> DeciderKey.EnableExploreRecommendationsSafetyLevel,

TimelineInjection -> DeciderKey.EnableTimelineInjectionSafetyLevel,

TimelineMentions -> DeciderKey.EnableTimelineMentionsSafetyLevel,

TimelineModeratedTweetsHydration -> DeciderKey.EnableTimelineModeratedTweetsHydrationSafetyLevel,

TimelineHomeLatest -> DeciderKey.EnableTimelineHomeLatestSafetyLevel,

TimelineLikedBy -> DeciderKey.EnableTimelineLikedBySafetyLevel,

TimelineRetweetedBy -> DeciderKey.EnableTimelineRetweetedBySafetyLevel,

TimelineSuperLikedBy -> DeciderKey.EnableTimelineSuperLikedBySafetyLevel,

TimelineBookmark -> DeciderKey.EnableTimelineBookmarkSafetyLevel,

TimelineMedia -> DeciderKey.EnableTimelineMediaSafetyLevel,

TimelineReactiveBlending -> DeciderKey.EnableTimelineReactiveBlendingSafetyLevel,

TimelineFavorites -> DeciderKey.EnableTimelineFavoritesSafetyLevel,

TimelineFavoritesSelfView -> DeciderKey.EnableSelfViewTimelineFavoritesSafetyLevel,

TimelineLists -> DeciderKey.EnableTimelineListsSafetyLevel,

TimelineProfile -> DeciderKey.EnableTimelineProfileSafetyLevel,

TimelineProfileAll -> DeciderKey.EnableTimelineProfileAllSafetyLevel,

TimelineProfileSpaces -> DeciderKey.EnableTimelineProfileSpacesSafetyLevel,

TimelineProfileSuperFollows -> DeciderKey.EnableTimelineProfileSuperFollowsSafetyLevel,

TimelineFocalTweet -> DeciderKey.EnableTweetTimelineFocalTweetSafetyLevel,

TweetDetailWithInjectionsHydration -> DeciderKey.EnableTweetDetailWithInjectionsHydrationSafetyLevel,

Tombstoning -> DeciderKey.EnableTombstoningSafetyLevel,

TopicRecommendations -> DeciderKey.EnableTopicRecommendationsSafetyLevel,

TrendsRepresentativeTweet -> DeciderKey.EnableTrendsRepresentativeTweetSafetyLevel,

TrustedFriendsUserList -> DeciderKey.EnableTrustedFriendsUserListSafetyLevel,

TwitterDelegateUserList -> DeciderKey.EnableTwitterDelegateUserListSafetyLevel,

TweetDetail -> DeciderKey.EnableTweetDetailSafetyLevel,

TweetDetailNonToo -> DeciderKey.EnableTweetDetailNonTooSafetyLevel,

TweetEngagers -> DeciderKey.EnableTweetEngagersSafetyLevel,

TweetReplyNudge -> DeciderKey.EnableTweetReplyNudgeSafetyLevel,

TweetScopedTimeline -> DeciderKey.EnableTweetScopedTimelineSafetyLevel,

TweetWritesApi -> DeciderKey.EnableTweetWritesApiSafetyLevel,

TwitterArticleCompose -> DeciderKey.EnableTwitterArticleComposeSafetyLevel,

TwitterArticleProfileTab -> DeciderKey.EnableTwitterArticleProfileTabSafetyLevel,

TwitterArticleRead -> DeciderKey.EnableTwitterArticleReadSafetyLevel,

UserProfileHeader -> DeciderKey.EnableUserProfileHeaderSafetyLevel,

UserMilestoneRecommendation -> DeciderKey.EnableUserMilestoneRecommendationSafetyLevel,

UserScopedTimeline -> DeciderKey.EnableUserScopedTimelineSafetyLevel,

UserSearchSrp -> DeciderKey.EnableUserSearchSrpSafetyLevel,

UserSearchTypeahead -> DeciderKey.EnableUserSearchTypeaheadSafetyLevel,

UserSelfViewOnly -> DeciderKey.EnableUserSelfViewOnlySafetyLevel,

UserSettings -> DeciderKey.EnableUserSettingsSafetyLevel,

VideoAds -> DeciderKey.EnableVideoAdsSafetyLevel,

WritePathLimitedActionsEnforcement -> DeciderKey.EnableWritePathLimitedActionsEnforcementSafetyLevel,

ZipbirdConsumerArchives -> DeciderKey.EnableZipbirdConsumerArchivesSafetyLevel,

TweetAward -> DeciderKey.EnableTweetAwardSafetyLevel,

)

val BoolToDeciderMap: Map[Param[Boolean], DeciderKey.Value] = Map(

RuleParams.TweetConversationControlEnabledParam ->

DeciderKey.EnableTweetConversationControlRules,

RuleParams.CommunityTweetsEnabledParam ->

DeciderKey.EnableCommunityTweetsControlRules,

RuleParams.DropCommunityTweetWithUndefinedCommunityRuleEnabledParam ->

DeciderKey.EnableDropCommunityTweetWithUndefinedCommunityRule,

TimelineConversationsDownrankingSpecificParams.EnablePSpammyTweetDownrankConvosLowQualityParam ->

DeciderKey.EnablePSpammyTweetDownrankConvosLowQuality,

RuleParams.EnableHighPSpammyTweetScoreSearchTweetLabelDropRuleParam ->

DeciderKey.EnableHighPSpammyTweetScoreSearchTweetLabelDropRule,

TimelineConversationsDownrankingSpecificParams.EnableRitoActionedTweetDownrankConvosLowQualityParam ->

DeciderKey.EnableRitoActionedTweetDownrankConvosLowQuality,

RuleParams.EnableSmyteSpamTweetRuleParam ->

DeciderKey.EnableSmyteSpamTweetRule,

RuleParams.EnableHighSpammyTweetContentScoreSearchLatestTweetLabelDropRuleParam ->

DeciderKey.EnableHighSpammyTweetContentScoreSearchLatestTweetLabelDropRule,

RuleParams.EnableHighSpammyTweetContentScoreSearchTopTweetLabelDropRuleParam ->

DeciderKey.EnableHighSpammyTweetContentScoreSearchTopTweetLabelDropRule,

RuleParams.EnableHighSpammyTweetContentScoreTrendsTopTweetLabelDropRuleParam ->

DeciderKey.EnableHighSpammyTweetContentScoreTrendsTopTweetLabelDropRule,

RuleParams.EnableHighSpammyTweetContentScoreTrendsLatestTweetLabelDropRuleParam ->

DeciderKey.EnableHighSpammyTweetContentScoreTrendsLatestTweetLabelDropRule,

TimelineConversationsDownrankingSpecificParams.EnableHighSpammyTweetContentScoreConvoDownrankAbusiveQualityRuleParam ->

DeciderKey.EnableHighSpammyTweetContentScoreConvoDownrankAbusiveQualityRule,

TimelineConversationsDownrankingSpecificParams.EnableHighCryptospamScoreConvoDownrankAbusiveQualityRuleParam ->

DeciderKey.EnableHighCryptospamScoreConvoDownrankAbusiveQualityRule,

RuleParams.EnableGoreAndViolenceTopicHighRecallTweetLabelRule ->

DeciderKey.EnableGoreAndViolenceTopicHighRecallTweetLabelRule,

RuleParams.EnableLimitRepliesFollowersConversationRule ->

DeciderKey.EnableLimitRepliesFollowersConversationRule,

RuleParams.EnableSearchBasicBlockMuteRulesParam -> DeciderKey.EnableSearchBasicBlockMuteRules,

RuleParams.EnableBlinkBadDownrankingRuleParam ->

DeciderKey.EnableBlinkBadDownrankingRule,

RuleParams.EnableBlinkWorstDownrankingRuleParam ->

DeciderKey.EnableBlinkWorstDownrankingRule,

RuleParams.EnableCopypastaSpamDownrankConvosAbusiveQualityRule ->

DeciderKey.EnableCopypastaSpamDownrankConvosAbusiveQualityRule,

RuleParams.EnableCopypastaSpamSearchDropRule ->

DeciderKey.EnableCopypastaSpamSearchDropRule,

RuleParams.EnableSpammyUserModelTweetDropRuleParam ->

DeciderKey.EnableSpammyUserModelHighPrecisionDropTweetRule,

RuleParams.EnableAvoidNsfwRulesParam ->

DeciderKey.EnableAvoidNsfwRules,

RuleParams.EnableReportedTweetInterstitialRule ->

DeciderKey.EnableReportedTweetInterstitialRule,

RuleParams.EnableReportedTweetInterstitialSearchRule ->

DeciderKey.EnableReportedTweetInterstitialSearchRule,

RuleParams.EnableDropExclusiveTweetContentRule ->

DeciderKey.EnableDropExclusiveTweetContentRule,

RuleParams.EnableDropExclusiveTweetContentRuleFailClosed ->

DeciderKey.EnableDropExclusiveTweetContentRuleFailClosed,

RuleParams.EnableTombstoneExclusiveQtProfileTimelineParam ->

DeciderKey.EnableTombstoneExclusiveQtProfileTimelineParam,

RuleParams.EnableDropAllExclusiveTweetsRuleParam -> DeciderKey.EnableDropAllExclusiveTweetsRule,

RuleParams.EnableDropAllExclusiveTweetsRuleFailClosedParam -> DeciderKey.EnableDropAllExclusiveTweetsRuleFailClosed,

RuleParams.EnableDownrankSpamReplySectioningRuleParam ->

DeciderKey.EnableDownrankSpamReplySectioningRule,

RuleParams.EnableNsfwTextSectioningRuleParam ->

DeciderKey.EnableNsfwTextSectioningRule,

RuleParams.EnableSearchIpiSafeSearchWithoutUserInQueryDropRule -> DeciderKey.EnableSearchIpiSafeSearchWithoutUserInQueryDropRule,

RuleParams.EnableTimelineHomePromotedTweetHealthEnforcementRules -> DeciderKey.EnableTimelineHomePromotedTweetHealthEnforcementRules,

RuleParams.EnableMutedKeywordFilteringSpaceTitleNotificationsRuleParam -> DeciderKey.EnableMutedKeywordFilteringSpaceTitleNotificationsRule,

RuleParams.EnableDropTweetsWithGeoRestrictedMediaRuleParam -> DeciderKey.EnableDropTweetsWithGeoRestrictedMediaRule,

RuleParams.EnableDropAllTrustedFriendsTweetsRuleParam -> DeciderKey.EnableDropAllTrustedFriendsTweetsRule,

RuleParams.EnableDropTrustedFriendsTweetContentRuleParam -> DeciderKey.EnableDropTrustedFriendsTweetContentRule,

RuleParams.EnableDropAllCollabInvitationTweetsRuleParam -> DeciderKey.EnableDropCollabInvitationTweetsRule,

RuleParams.EnableNsfwTextHighPrecisionDropRuleParam -> DeciderKey.EnableNsfwTextHighPrecisionDropRule,

RuleParams.EnableLikelyIvsUserLabelDropRule -> DeciderKey.EnableLikelyIvsUserLabelDropRule,

RuleParams.EnableCardUriRootDomainCardDenylistRule -> DeciderKey.EnableCardUriRootDomainDenylistRule,

RuleParams.EnableCommunityNonMemberPollCardRule -> DeciderKey.EnableCommunityNonMemberPollCardRule,

RuleParams.EnableCommunityNonMemberPollCardRuleFailClosed -> DeciderKey.EnableCommunityNonMemberPollCardRuleFailClosed,

RuleParams.EnableExperimentalNudgeEnabledParam -> DeciderKey.EnableExperimentalNudgeLabelRule,

RuleParams.NsfwHighPrecisionUserLabelAvoidTweetRuleEnabledParam -> DeciderKey.NsfwHighPrecisionUserLabelAvoidTweetRuleEnabledParam,

RuleParams.EnableNewAdAvoidanceRulesParam -> DeciderKey.EnableNewAdAvoidanceRules,

RuleParams.EnableNsfaHighRecallAdAvoidanceParam -> DeciderKey.EnableNsfaHighRecallAdAvoidanceParam,

RuleParams.EnableNsfaKeywordsHighPrecisionAdAvoidanceParam -> DeciderKey.EnableNsfaKeywordsHighPrecisionAdAvoidanceParam,

RuleParams.EnableStaleTweetDropRuleParam -> DeciderKey.EnableStaleTweetDropRuleParam,

RuleParams.EnableStaleTweetDropRuleFailClosedParam -> DeciderKey.EnableStaleTweetDropRuleFailClosedParam,

RuleParams.EnableDeleteStateTweetRulesParam -> DeciderKey.EnableDeleteStateTweetRules,

RuleParams.EnableSpacesSharingNsfwDropRulesParam -> DeciderKey.EnableSpacesSharingNsfwDropRulesParam,

RuleParams.EnableViewerIsSoftUserDropRuleParam -> DeciderKey.EnableViewerIsSoftUserDropRuleParam,

RuleParams.EnablePdnaQuotedTweetTombstoneRuleParam -> DeciderKey.EnablePdnaQuotedTweetTombstoneRule,

RuleParams.EnableSpamQuotedTweetTombstoneRuleParam -> DeciderKey.EnableSpamQuotedTweetTombstoneRule,

RuleParams.EnableNsfwHpQuotedTweetDropRuleParam -> DeciderKey.EnableNsfwHpQuotedTweetDropRule,

RuleParams.EnableNsfwHpQuotedTweetTombstoneRuleParam -> DeciderKey.EnableNsfwHpQuotedTweetTombstoneRule,

RuleParams.EnableInnerQuotedTweetViewerBlocksAuthorInterstitialRuleParam -> DeciderKey.EnableInnerQuotedTweetViewerBlocksAuthorInterstitialRule,

RuleParams.EnableInnerQuotedTweetViewerMutesAuthorInterstitialRuleParam -> DeciderKey.EnableInnerQuotedTweetViewerMutesAuthorInterstitialRule,

RuleParams.EnableToxicReplyFilteringConversationRulesParam -> DeciderKey.VisibilityLibraryEnableToxicReplyFilterConversation,

RuleParams.EnableToxicReplyFilteringNotificationsRulesParam -> DeciderKey.VisibilityLibraryEnableToxicReplyFilterNotifications,

RuleParams.EnableLegacySensitiveMediaHomeTimelineRulesParam -> DeciderKey.EnableLegacySensitiveMediaRulesHomeTimeline,

RuleParams.EnableNewSensitiveMediaSettingsInterstitialsHomeTimelineRulesParam -> DeciderKey.EnableNewSensitiveMediaSettingsInterstitialRulesHomeTimeline,

RuleParams.EnableLegacySensitiveMediaConversationRulesParam -> DeciderKey.EnableLegacySensitiveMediaRulesConversation,

RuleParams.EnableNewSensitiveMediaSettingsInterstitialsConversationRulesParam -> DeciderKey.EnableNewSensitiveMediaSettingsInterstitialRulesConversation,

RuleParams.EnableLegacySensitiveMediaProfileTimelineRulesParam -> DeciderKey.EnableLegacySensitiveMediaRulesProfileTimeline,

RuleParams.EnableNewSensitiveMediaSettingsInterstitialsProfileTimelineRulesParam -> DeciderKey.EnableNewSensitiveMediaSettingsInterstitialRulesProfileTimeline,

RuleParams.EnableLegacySensitiveMediaTweetDetailRulesParam -> DeciderKey.EnableLegacySensitiveMediaRulesTweetDetail,

RuleParams.EnableNewSensitiveMediaSettingsInterstitialsTweetDetailRulesParam -> DeciderKey.EnableNewSensitiveMediaSettingsInterstitialRulesTweetDetail,

RuleParams.EnableLegacySensitiveMediaDirectMessagesRulesParam -> DeciderKey.EnableLegacySensitiveMediaRulesDirectMessages,

RuleParams.EnableAbusiveBehaviorDropRuleParam -> DeciderKey.EnableAbusiveBehaviorDropRule,

RuleParams.EnableAbusiveBehaviorInterstitialRuleParam -> DeciderKey.EnableAbusiveBehaviorInterstitialRule,

RuleParams.EnableAbusiveBehaviorLimitedEngagementsRuleParam -> DeciderKey.EnableAbusiveBehaviorLimitedEngagementsRule,

RuleParams.EnableNotGraduatedDownrankConvosAbusiveQualityRuleParam -> DeciderKey.EnableNotGraduatedDownrankConvosAbusiveQualityRule,

RuleParams.EnableNotGraduatedSearchDropRuleParam -> DeciderKey.EnableNotGraduatedSearchDropRule,

RuleParams.EnableNotGraduatedDropRuleParam -> DeciderKey.EnableNotGraduatedDropRule,

RuleParams.EnableFosnrRuleParam -> DeciderKey.EnableFosnrRules,

RuleParams.EnableAuthorBlocksViewerDropRuleParam -> DeciderKey.EnableAuthorBlocksViewerDropRule

)

def config(

deciderGateBuilder: DeciderGateBuilder,

logger: Logger,

statsReceiver: StatsReceiver,

SafetyLevel: SafetyLevel

): Config = {

object UserOrGuestOrRequest extends RecipientBuilder {

private val scopedStats = statsReceiver.scope("decider\_recipient")

private val userIdDefinedCounter = scopedStats.counter("user\_id\_defined")

private val userIdNotDefinedCounter = scopedStats.counter("user\_id\_undefined")

private val guestIdDefinedCounter = scopedStats.counter("guest\_id\_defined")

private val guestIdNotDefinedCounter = scopedStats.counter("guest\_id\_undefined")

private val noIdCounter = scopedStats.counter("no\_id\_defined")

def apply(requestContext: BaseRequestContext): Option[Recipient] = requestContext match {

case c: WithUserId if c.userId.isDefined =>

userIdDefinedCounter.incr()

c.userId.map(SimpleRecipient)

case c: WithGuestId if c.guestId.isDefined =>

guestIdDefinedCounter.incr()

c.guestId.map(GuestRecipient)

case c: WithGuestId =>

guestIdNotDefinedCounter.incr()

RecipientBuilder.Request(c)

case \_: WithUserId =>

userIdNotDefinedCounter.incr()

None

case \_ =>

logger.warning("Request Context with no user or guest id trait found: " + requestContext)

noIdCounter.incr()

None

}

}

val boolOverrides = BoolToDeciderMap.map {

case (param, deciderKey) =>

param.optionalOverrideValue(

DeciderSwitchOverrideValue(

feature = deciderGateBuilder.keyToFeature(deciderKey),

enabledValue = true,

disabledValueOption = Some(false),

recipientBuilder = UserOrGuestOrRequest

)

)

}.toSeq

val safetyLevelOverride = SafetyLevel.enabledParam.optionalOverrideValue(

DeciderSwitchOverrideValue(

feature = deciderGateBuilder.keyToFeature(SafetyLevelToDeciderMap(SafetyLevel)),

enabledValue = true,

recipientBuilder = UserOrGuestOrRequest

)

)

BaseConfigBuilder(boolOverrides :+ safetyLevelOverride).build("VisibilityDeciders")

}

}