package com.twitter.cr\_mixer

import com.google.inject.Module

import com.twitter.cr\_mixer.controller.CrMixerThriftController

import com.twitter.cr\_mixer.featureswitch.SetImpressedBucketsLocalContextFilter

import com.twitter.cr\_mixer.module.ActivePromotedTweetStoreModule

import com.twitter.cr\_mixer.module.CertoStratoStoreModule

import com.twitter.cr\_mixer.module.CrMixerParamConfigModule

import com.twitter.cr\_mixer.module.EmbeddingStoreModule

import com.twitter.cr\_mixer.module.FrsStoreModule

import com.twitter.cr\_mixer.module.MHMtlsParamsModule

import com.twitter.cr\_mixer.module.OfflineCandidateStoreModule

import com.twitter.cr\_mixer.module.RealGraphStoreMhModule

import com.twitter.cr\_mixer.module.RealGraphOonStoreModule

import com.twitter.cr\_mixer.module.RepresentationManagerModule

import com.twitter.cr\_mixer.module.RepresentationScorerModule

import com.twitter.cr\_mixer.module.TweetInfoStoreModule

import com.twitter.cr\_mixer.module.TweetRecentEngagedUserStoreModule

import com.twitter.cr\_mixer.module.TweetRecommendationResultsStoreModule

import com.twitter.cr\_mixer.module.TripCandidateStoreModule

import com.twitter.cr\_mixer.module.TwhinCollabFilterStratoStoreModule

import com.twitter.cr\_mixer.module.UserSignalServiceColumnModule

import com.twitter.cr\_mixer.module.UserSignalServiceStoreModule

import com.twitter.cr\_mixer.module.UserStateStoreModule

import com.twitter.cr\_mixer.module.core.ABDeciderModule

import com.twitter.cr\_mixer.module.core.CrMixerFlagModule

import com.twitter.cr\_mixer.module.core.CrMixerLoggingABDeciderModule

import com.twitter.cr\_mixer.module.core.FeatureContextBuilderModule

import com.twitter.cr\_mixer.module.core.FeatureSwitchesModule

import com.twitter.cr\_mixer.module.core.KafkaProducerModule

import com.twitter.cr\_mixer.module.core.LoggerFactoryModule

import com.twitter.cr\_mixer.module.similarity\_engine.ConsumerEmbeddingBasedTripSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.ConsumerEmbeddingBasedTwHINSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.ConsumerEmbeddingBasedTwoTowerSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.ConsumersBasedUserAdGraphSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.ConsumersBasedUserVideoGraphSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.ProducerBasedUserAdGraphSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.ProducerBasedUserTweetGraphSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.ProducerBasedUnifiedSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.SimClustersANNSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.TweetBasedUnifiedSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.TweetBasedQigSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.TweetBasedTwHINSimlarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.TweetBasedUserAdGraphSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.TweetBasedUserTweetGraphSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.TweetBasedUserVideoGraphSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.TwhinCollabFilterLookupSimilarityEngineModule

import com.twitter.cr\_mixer.module.ConsumersBasedUserAdGraphStoreModule

import com.twitter.cr\_mixer.module.ConsumersBasedUserTweetGraphStoreModule

import com.twitter.cr\_mixer.module.ConsumersBasedUserVideoGraphStoreModule

import com.twitter.cr\_mixer.module.DiffusionStoreModule

import com.twitter.cr\_mixer.module.EarlybirdRecencyBasedCandidateStoreModule

import com.twitter.cr\_mixer.module.TwiceClustersMembersStoreModule

import com.twitter.cr\_mixer.module.StrongTiePredictionStoreModule

import com.twitter.cr\_mixer.module.thrift\_client.AnnQueryServiceClientModule

import com.twitter.cr\_mixer.module.thrift\_client.EarlybirdSearchClientModule

import com.twitter.cr\_mixer.module.thrift\_client.FrsClientModule

import com.twitter.cr\_mixer.module.thrift\_client.QigServiceClientModule

import com.twitter.cr\_mixer.module.thrift\_client.SimClustersAnnServiceClientModule

import com.twitter.cr\_mixer.module.thrift\_client.TweetyPieClientModule

import com.twitter.cr\_mixer.module.thrift\_client.UserTweetGraphClientModule

import com.twitter.cr\_mixer.module.thrift\_client.UserTweetGraphPlusClientModule

import com.twitter.cr\_mixer.module.thrift\_client.UserVideoGraphClientModule

import com.twitter.cr\_mixer.{thriftscala => st}

import com.twitter.finagle.Filter

import com.twitter.finatra.annotations.DarkTrafficFilterType

import com.twitter.finatra.decider.modules.DeciderModule

import com.twitter.finatra.http.HttpServer

import com.twitter.finatra.http.routing.HttpRouter

import com.twitter.finatra.jackson.modules.ScalaObjectMapperModule

import com.twitter.finatra.mtls.http.{Mtls => HttpMtls}

import com.twitter.finatra.mtls.thriftmux.Mtls

import com.twitter.finatra.mtls.thriftmux.modules.MtlsThriftWebFormsModule

import com.twitter.finatra.thrift.ThriftServer

import com.twitter.finatra.thrift.filters.\_

import com.twitter.finatra.thrift.routing.ThriftRouter

import com.twitter.hydra.common.model\_config.{ConfigModule => HydraConfigModule}

import com.twitter.inject.thrift.modules.ThriftClientIdModule

import com.twitter.product\_mixer.core.module.LoggingThrowableExceptionMapper

import com.twitter.product\_mixer.core.module.StratoClientModule

import com.twitter.product\_mixer.core.module.product\_mixer\_flags.ProductMixerFlagModule

import com.twitter.relevance\_platform.common.filters.ClientStatsFilter

import com.twitter.relevance\_platform.common.filters.DarkTrafficFilterModule

import com.twitter.cr\_mixer.module.SimClustersANNServiceNameToClientMapper

import com.twitter.cr\_mixer.module.SkitStratoStoreModule

import com.twitter.cr\_mixer.module.BlueVerifiedAnnotationStoreModule

import com.twitter.cr\_mixer.module.core.TimeoutConfigModule

import com.twitter.cr\_mixer.module.grpc\_client.NaviGRPCClientModule

import com.twitter.cr\_mixer.module.similarity\_engine.CertoTopicTweetSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.ConsumerBasedWalsSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.DiffusionBasedSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.EarlybirdSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.SkitTopicTweetSimilarityEngineModule

import com.twitter.cr\_mixer.module.similarity\_engine.UserTweetEntityGraphSimilarityEngineModule

import com.twitter.cr\_mixer.module.thrift\_client.HydraPartitionClientModule

import com.twitter.cr\_mixer.module.thrift\_client.HydraRootClientModule

import com.twitter.cr\_mixer.module.thrift\_client.UserAdGraphClientModule

import com.twitter.cr\_mixer.module.thrift\_client.UserTweetEntityGraphClientModule

import com.twitter.thriftwebforms.MethodOptions

object CrMixerServerMain extends CrMixerServer

class CrMixerServer extends ThriftServer with Mtls with HttpServer with HttpMtls {

override val name = "cr-mixer-server"

private val coreModules = Seq(

ABDeciderModule,

CrMixerFlagModule,

CrMixerLoggingABDeciderModule,

CrMixerParamConfigModule,

new DarkTrafficFilterModule[st.CrMixer.ReqRepServicePerEndpoint](),

DeciderModule,

FeatureContextBuilderModule,

FeatureSwitchesModule,

KafkaProducerModule,

LoggerFactoryModule,

MHMtlsParamsModule,

ProductMixerFlagModule,

ScalaObjectMapperModule,

ThriftClientIdModule

)

private val thriftClientModules = Seq(

AnnQueryServiceClientModule,

EarlybirdSearchClientModule,

FrsClientModule,

HydraPartitionClientModule,

HydraRootClientModule,

QigServiceClientModule,

SimClustersAnnServiceClientModule,

TweetyPieClientModule,

UserAdGraphClientModule,

UserTweetEntityGraphClientModule,

UserTweetGraphClientModule,

UserTweetGraphPlusClientModule,

UserVideoGraphClientModule,

)

private val grpcClientModules = Seq(

NaviGRPCClientModule

)

// Modules sorted alphabetically, please keep the order when adding a new module

override val modules: Seq[Module] =

coreModules ++ thriftClientModules ++ grpcClientModules ++

Seq(

ActivePromotedTweetStoreModule,

CertoStratoStoreModule,

CertoTopicTweetSimilarityEngineModule,

ConsumersBasedUserAdGraphSimilarityEngineModule,

ConsumersBasedUserTweetGraphStoreModule,

ConsumersBasedUserVideoGraphSimilarityEngineModule,

ConsumersBasedUserVideoGraphStoreModule,

ConsumerEmbeddingBasedTripSimilarityEngineModule,

ConsumerEmbeddingBasedTwHINSimilarityEngineModule,

ConsumerEmbeddingBasedTwoTowerSimilarityEngineModule,

ConsumersBasedUserAdGraphStoreModule,

ConsumerBasedWalsSimilarityEngineModule,

DiffusionStoreModule,

EmbeddingStoreModule,

EarlybirdSimilarityEngineModule,

EarlybirdRecencyBasedCandidateStoreModule,

FrsStoreModule,

HydraConfigModule,

OfflineCandidateStoreModule,

ProducerBasedUnifiedSimilarityEngineModule,

ProducerBasedUserAdGraphSimilarityEngineModule,

ProducerBasedUserTweetGraphSimilarityEngineModule,

RealGraphOonStoreModule,

RealGraphStoreMhModule,

RepresentationManagerModule,

RepresentationScorerModule,

SimClustersANNServiceNameToClientMapper,

SimClustersANNSimilarityEngineModule,

SkitStratoStoreModule,

SkitTopicTweetSimilarityEngineModule,

StratoClientModule,

StrongTiePredictionStoreModule,

TimeoutConfigModule,

TripCandidateStoreModule,

TwiceClustersMembersStoreModule,

TweetBasedQigSimilarityEngineModule,

TweetBasedTwHINSimlarityEngineModule,

TweetBasedUnifiedSimilarityEngineModule,

TweetBasedUserAdGraphSimilarityEngineModule,

TweetBasedUserTweetGraphSimilarityEngineModule,

TweetBasedUserVideoGraphSimilarityEngineModule,

TweetInfoStoreModule,

TweetRecentEngagedUserStoreModule,

TweetRecommendationResultsStoreModule,

TwhinCollabFilterStratoStoreModule,

TwhinCollabFilterLookupSimilarityEngineModule,

UserSignalServiceColumnModule,

UserSignalServiceStoreModule,

UserStateStoreModule,

UserTweetEntityGraphSimilarityEngineModule,

DiffusionBasedSimilarityEngineModule,

BlueVerifiedAnnotationStoreModule,

new MtlsThriftWebFormsModule[st.CrMixer.MethodPerEndpoint](this) {

override protected def defaultMethodAccess: MethodOptions.Access = {

MethodOptions.Access.ByLdapGroup(

Seq(

"cr-mixer-admins",

"recosplat-sensitive-data-medium",

"recos-platform-admins",

))

}

}

)

def configureThrift(router: ThriftRouter): Unit = {

router

.filter[LoggingMDCFilter]

.filter[TraceIdMDCFilter]

.filter[ThriftMDCFilter]

.filter[ClientStatsFilter]

.filter[AccessLoggingFilter]

.filter[SetImpressedBucketsLocalContextFilter]

.filter[ExceptionMappingFilter]

.filter[Filter.TypeAgnostic, DarkTrafficFilterType]

.exceptionMapper[LoggingThrowableExceptionMapper]

.add[CrMixerThriftController]

}

override protected def warmup(): Unit = {

handle[CrMixerThriftServerWarmupHandler]()

handle[CrMixerHttpServerWarmupHandler]()

}

}