namespace java com.twitter.cr\_mixer.thriftjava

#@namespace scala com.twitter.cr\_mixer.thriftscala

#@namespace strato com.twitter.cr\_mixer

include "ads.thrift"

include "candidate\_generation\_key.thrift"

include "product.thrift"

include "product\_context.thrift"

include "validation.thrift"

include "metric\_tags.thrift"

include "related\_tweet.thrift"

include "uteg.thrift"

include "frs\_based\_tweet.thrift"

include "related\_video\_tweet.thrift"

include "topic\_tweet.thrift"

include "com/twitter/product\_mixer/core/client\_context.thrift"

include "com/twitter/timelines/render/response.thrift"

include "finatra-thrift/finatra\_thrift\_exceptions.thrift"

include "com/twitter/strato/graphql/slice.thrift"

struct CrMixerTweetRequest {

1: required client\_context.ClientContext clientContext

2: required product.Product product

# Product-specific parameters should be placed in the Product Context

3: optional product\_context.ProductContext productContext

4: optional list<i64> excludedTweetIds (personalDataType = 'TweetId')

} (persisted='true', hasPersonalData='true')

struct TweetRecommendation {

1: required i64 tweetId (personalDataType = 'TweetId')

2: required double score

3: optional list<metric\_tags.MetricTag> metricTags

# 4: the author of the tweet candidate. To be used by Content-Mixer to unblock the Hydra experiment.

4: optional i64 authorId (personalDataType = 'UserId')

# 5: extra info about candidate generation. To be used by Content-Mixer to unblock the Hydra experiment.

5: optional candidate\_generation\_key.CandidateGenerationKey candidateGenerationKey

# 1001: the latest timestamp of fav signals. If null, the candidate is not generated from fav signals

1001: optional i64 latestSourceSignalTimestampInMillis(personalDataType = 'PublicTimestamp')

} (persisted='true', hasPersonalData = 'true')

struct CrMixerTweetResponse {

1: required list<TweetRecommendation> tweets

} (persisted='true')

service CrMixer {

CrMixerTweetResponse getTweetRecommendations(1: CrMixerTweetRequest request) throws (

# Validation errors - the details of which will be reported to clients on failure

1: validation.ValidationExceptionList validationErrors;

# Server errors - the details of which will not be reported to clients

2: finatra\_thrift\_exceptions.ServerError serverError

)

# getRelatedTweetsForQueryTweet and getRelatedTweetsForQueryAuthor do very similar things

# We can merge these two endpoints into one unified endpoint

related\_tweet.RelatedTweetResponse getRelatedTweetsForQueryTweet(1: related\_tweet.RelatedTweetRequest request) throws (

# Validation errors - the details of which will be reported to clients on failure

1: validation.ValidationExceptionList validationErrors;

# Server errors - the details of which will not be reported to clients

2: finatra\_thrift\_exceptions.ServerError serverError

)

related\_tweet.RelatedTweetResponse getRelatedTweetsForQueryAuthor(1: related\_tweet.RelatedTweetRequest request) throws (

# Validation errors - the details of which will be reported to clients on failure

1: validation.ValidationExceptionList validationErrors;

# Server errors - the details of which will not be reported to clients

2: finatra\_thrift\_exceptions.ServerError serverError

)

uteg.UtegTweetResponse getUtegTweetRecommendations(1: uteg.UtegTweetRequest request) throws (

# Validation errors - the details of which will be reported to clients on failure

1: validation.ValidationExceptionList validationErrors;

# Server errors - the details of which will not be reported to clients

2: finatra\_thrift\_exceptions.ServerError serverError

)

frs\_based\_tweet.FrsTweetResponse getFrsBasedTweetRecommendations(1: frs\_based\_tweet.FrsTweetRequest request) throws (

# Validation errors - the details of which will be reported to clients on failure

1: validation.ValidationExceptionList validationErrors;

# Server errors - the details of which will not be reported to clients

2: finatra\_thrift\_exceptions.ServerError serverError

)

related\_video\_tweet.RelatedVideoTweetResponse getRelatedVideoTweetsForQueryTweet(1: related\_video\_tweet.RelatedVideoTweetRequest request) throws (

# Validation errors - the details of which will be reported to clients on failure

1: validation.ValidationExceptionList validationErrors;

# Server errors - the details of which will not be reported to clients

2: finatra\_thrift\_exceptions.ServerError serverError

)

ads.AdsResponse getAdsRecommendations(1: ads.AdsRequest request) throws (

# Validation errors - the details of which will be reported to clients on failure

1: validation.ValidationExceptionList validationErrors;

# Server errors - the details of which will not be reported to clients

2: finatra\_thrift\_exceptions.ServerError serverError

)

topic\_tweet.TopicTweetResponse getTopicTweetRecommendations(1: topic\_tweet.TopicTweetRequest request) throws (

# Validation errors - the details of which will be reported to clients on failure

1: validation.ValidationExceptionList validationErrors;

# Server errors - the details of which will not be reported to clients

2: finatra\_thrift\_exceptions.ServerError serverError

)

}