namespace java com.twitter.recos.user\_video\_graph.thriftjava

namespace py gen.twitter.recos.user\_video\_graph

#@namespace scala com.twitter.recos.user\_video\_graph.thriftscala

#@namespace strato com.twitter.recos.user\_video\_graph

namespace rb UserVideoGraph

include "com/twitter/recos/features/tweet.thrift"

include "com/twitter/recos/recos\_common.thrift"

struct TweetBasedRelatedTweetRequest {

1: required i64 tweetId // query tweet id

2: optional i32 maxResults // number of suggested results to return

3: optional list<i64> excludeTweetIds // list of tweet ids to exclude from response

4: optional i32 minQueryDegree // min degree of query tweet

5: optional i32 maxNumSamplesPerNeighbor // max number of sampled users who engaged with the query tweet

6: optional i32 minCooccurrence // min co-occurrence of related tweet candidate

7: optional i32 minResultDegree // min degree of related tweet candidate

8: optional double minScore // min score of related tweet candidate

9: optional i32 maxTweetAgeInHours // max tweet age in hours of related tweet candidate

}

struct ProducerBasedRelatedTweetRequest {

1: required i64 producerId // query producer id

2: optional i32 maxResults // number of suggested results to return

3: optional list<i64> excludeTweetIds // list of tweet ids to exclude from response

4: optional i32 minQueryDegree // min degree of query producer, e.g. number of followers

5: optional i32 maxNumFollowers // max number of sampled users who follow the query producer

6: optional i32 minCooccurrence // min co-occurrence of related tweet candidate

7: optional i32 minResultDegree // min degree of related tweet candidate

8: optional double minScore // min score of related tweet candidate

9: optional i32 maxTweetAgeInHours // max tweet age in hours of related tweet candidate

}

struct ConsumersBasedRelatedTweetRequest {

1: required list<i64> consumerSeedSet // query consumer userId set

2: optional i32 maxResults // number of suggested results to return

3: optional list<i64> excludeTweetIds // list of tweet ids to exclude from response

4: optional i32 minCooccurrence // min co-occurrence of related tweet candidate

5: optional i32 minResultDegree // min degree of related tweet candidate

6: optional double minScore // min score of related tweet candidate

7: optional i32 maxTweetAgeInHours // max tweet age in hours of related tweet candidate

}

struct RelatedTweet {

1: required i64 tweetId

2: required double score

3: optional tweet.GraphFeaturesForTweet relatedTweetGraphFeatures

}

struct RelatedTweetResponse {

1: required list<RelatedTweet> tweets

2: optional tweet.GraphFeaturesForQuery queryTweetGraphFeatures

}

/\*\*

\* The main interface-definition for UserVideoGraph.

\*/

service UserVideoGraph {

RelatedTweetResponse tweetBasedRelatedTweets (TweetBasedRelatedTweetRequest request)

RelatedTweetResponse producerBasedRelatedTweets (ProducerBasedRelatedTweetRequest request)

RelatedTweetResponse consumersBasedRelatedTweets (ConsumersBasedRelatedTweetRequest request)

}