namespace java com.twitter.simclusters\_v2.thriftjava

namespace py gen.twitter.simclusters\_v2.score

#@namespace scala com.twitter.simclusters\_v2.thriftscala

#@namespace strato com.twitter.simclusters\_v2

include "com/twitter/simclusters\_v2/embedding.thrift"

include "com/twitter/simclusters\_v2/identifier.thrift"

/\*\*

\* The algorithm type to identify the score algorithm.

\* Assume that a algorithm support and only support one kind

\* of [[ScoreInternalId]]

\*\*/

enum ScoringAlgorithm {

// Reserve 0001 - 999 for Basic Pairwise Scoring Calculation

PairEmbeddingDotProduct = 1,

PairEmbeddingCosineSimilarity = 2,

PairEmbeddingJaccardSimilarity = 3,

PairEmbeddingEuclideanDistance = 4,

PairEmbeddingManhattanDistance = 5,

PairEmbeddingLogCosineSimilarity = 6,

PairEmbeddingExpScaledCosineSimilarity = 7,

// Reserve 1000 - 1999 for Tweet Similarity Model

TagSpaceCosineSimilarity = 1000,

WeightedSumTagSpaceRankingExperiment1 = 1001, //deprecated

WeightedSumTagSpaceRankingExperiment2 = 1002, //deprecated

WeightedSumTagSpaceANNExperiment = 1003, //deprecated

// Reserved for 10001 - 20000 for Aggregate scoring

WeightedSumTopicTweetRanking = 10001,

CortexTopicTweetLabel = 10002,

// Reserved 20001 - 30000 for Topic Tweet scores

CertoNormalizedDotProductScore = 20001,

CertoNormalizedCosineScore = 20002

}(hasPersonalData = 'false')

/\*\*

\* The identifier type for the score between a pair of SimClusters Embedding.

\* Used as the persistent key of a SimClustersEmbedding score.

\* Support score between different [[EmbeddingType]] / [[ModelVersion]]

\*\*/

struct SimClustersEmbeddingPairScoreId {

1: required identifier.SimClustersEmbeddingId id1

2: required identifier.SimClustersEmbeddingId id2

}(hasPersonalData = 'true')

/\*\*

\* The identifier type for the score between a pair of InternalId.

\*\*/

struct GenericPairScoreId {

1: required identifier.InternalId id1

2: required identifier.InternalId id2

}(hasPersonalData = 'true')

union ScoreInternalId {

1: GenericPairScoreId genericPairScoreId

2: SimClustersEmbeddingPairScoreId simClustersEmbeddingPairScoreId

}

/\*\*

\* A uniform Identifier type for all kinds of Calculation Score

\*\*/

struct ScoreId {

1: required ScoringAlgorithm algorithm

2: required ScoreInternalId internalId

}(hasPersonalData = 'true')

struct Score {

1: required double score

}(hasPersonalData = 'false')