TrainingGenerationService - C4 Level 4: Code Relationships

TrainingDataReader
+ ValidateAsync()
+ ReadCategoryValuesAsync()
+ ReadPatternsAsync()

Returns

Training definitions
TrainingCategories
TrainingSubjects
TrainingCategoryDefinition
TrainingCategoryValue

Validates and reads inputs

Plans with

Bounded Channel
Parallel workers write completed plan items; ordered writer consumes

Coordinates producer/consumer

TrainingGenera
+ GenerateAsync()
- GenerateCategoryAsync()
- CreatePlan()
- GeneratePassAsync()
- PersistOrderedAsync()
- FindResumableRunAsync()
- ValidateGeneratedValue()

Queries and transacts

LmStudioClient
+ CompleteAsync()
- ResolveFragmentTokens()
- ResolveArticles()
- SendCompletionAsync()

Binds

Configuration
GenerationOptions
LmStudioOptions
SentenceTenses

Calls concurrently

Binds

Plan order: category positive pass, then negative pass. Workers may finish out of order; persistence waits for the next contiguous ordinal and commits rows plus checkpoint atomically.

GenerationRun
Status, seed, fingerprints
checkpoint and counts
failure/cancellation data

Tracks

RIhfGeneratorDbContext
DbSet
DbSet
DbSet
DbSet
DbSet

Owns ordered items

Tracks

TrainingItem
RecordKey, PlanOrdinal
Category, Keyword
IsPositive, Value