

Api docs

Contents

Data Structures

BridiReference

- String id
- String bridiId
- String selbrId
- position
- String sumtiId

Sumti

- String id
- String representation

Bridi

- String id
- String representation
- List<String> references

InezProblem

- String id
- String category
- Sumti sumti

StoreCommand

- Integer id
- BridiStoreOperation operation
- Bridi old
- Bridi now

Delegates

BridiElement

API

- fixParent()
- String getRepresentation()
- Stream<BridiElement> getChildren()
- BridiElement getType()
- Stream<BridiElement> getReferences()
- BridiElement getParent()
- String toXml()
- String toString()
- isInstance(String typeId)
- BridiElement create(String containerIdString typeIdString representation references)

dependencies

- GetBridiElementRepresentationService
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- GetBridiElementChildrenService
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- GetBridiElementTypeService
- GetBridiElementReferencesService
- RepresentBridiElementService
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- BridiReferenceRepository
- AddReferencesService
- IsInstanceService
- CreateBridiElementService
- BridiElementFactory
- IsOfTypeService
- GetBridiElementReferenceIdsService
- GetBridiElementTypeIdService

InezImpl

API

- initialize()

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- unregisterListener(BridiStoreChangeListener listener)
- Stream<Bridi> query(String query)
- Stream<Bridi> create(String query)
- Set<Bridi> save(Collection<Bridi> values)
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- Optional<Bridi> findById(String id)
- Sumti createSumti(String idString representation)
- BridiReferenceRepository getBridiReferenceRepository()
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- ProblemRepository getProblems()

dependencies

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- QueryProcessorService
- BridiStoreHistoryRepository
- BridiReferenceRepository
- CreateBridiFromSumtiService
- SaveBridiService
- DeleteBridiService
- FindBridiByIdService
- GetBridiIdBySelbriAndSumtiIdsService
- FindAllIdByRepresentationService
- FindAllByRepresentationService
- BridiElementSystemInitializationService
- BridiElementFactory
- CreateBridisFromQueryService
- CreateSumtiService
- ProblemRepository
- CreateBridisFromDefinitionService

Services

CreateBridisFromQueryService

Description

API

- `Stream<Bridi> apply(String query)`

dependencies

- `ParseTextService`
- `CreateBridisFromParserOutputService`
- `SaveBridiService`
- `BridiElementFactory`

GetServiceByNameService

Description

API

- `BridiFunction apply(String serviceName)`

dependencies

- `ApplicationContext`
- `LoggerService`

CreateBridisFromDefinitionService

Description

API

- `Stream<Bridi> apply(String definitionName)`

dependencies

- `CreateBridisFromQueryService`

QueryProcessorService

Description

for a nonexistent sumti returns the empty list

for an existing sumti returns the sumti

if more sumtis exist with the representation, return them all

for a reference, return the referenced bridi

for a reference to a nonexistent bridi, return an empty list

for a bridi with the matching representation returns it

for a bridi where the representation does not match, but the selbri and sumties do, finds it

'\$?' returns a list of the any sumti

for a bridi where one of the sumties is '\$?', the matching bridies return

for a bridi where all of the sumties is '\$?', a `ParseCancellationException` is thrown

if no stored bridi matches the query with '\$?', and empty list is returned

query works with the '\$?' being deep down in the query

API

- `Stream<Bridi> apply(String query)`
- `Stream<Bridi> apply(ParserOutput parserOutput)`

dependencies

- `ParseTextService`
- `FindAllByRepresentationService`
- `FindAllByIdByRepresentationService`
- `GetBridiIdBySelbriAndSumtiIdsService`
- `FindBridiByIdService`
- `GetRelativeForBridiElementService`
- `GetServiceByNameService`

CreateBridisFromParserOutputService

Description

creates a list of bridis from the output of the parser - does not save them

API

- `Stream<Bridi> apply(ParserOutput parserOutput)`
- `Stream<Bridi> apply(String topMap<StringList<String>» refMap)`

dependencies

- `SumtiRepository`

NotifyStoreChangeService

Description

API

- `apply(BridiStoreOperation saveObject objectBridi thing)`

dependencies

GetBridiIdBySelbriAndSumtiIdsService

Description

returns the ids of all bridies with the given sumti, and with the given selbri in the given position

API

- `Stream<String> apply(String selbriIdString sumtiId position)`

dependencies

- `BridiReferenceRepository`

DeleteBridiService

Description

delete deletes the bridid and returns it

- if there was no such bridid saved, a `NoSuchElementException` is thrown
- the references are cleared
- the id and representation are cleared from the repository
- notifies about the store change

API

- `Bridi apply(Bridi bridid)`

dependencies

- `SumtiRepository`
- `RemoveReferencesService`
- `NotifyStoreChangeService`

CreateBridiFromSumtiService

Description

creates a brid from the sumti

API

- Bridi apply(Sumti sumti)

dependencies

- BridiReferenceRepository

FindAllIdByRepresentationService

Description

returns the ids of all the sumties with the given representation

API

- Stream<String> apply(String representation)

dependencies

- SumtiRepository

FindAllByRepresentationService

Description

finds all bridis based on a representation

API

- Stream<Bridi> apply(String representation)

dependencies

- SumtiRepository
- CreateBridiFromSumtiService

AddReferencesService

Description

for null references does nothing

for empty references does nothing

for each reference adds an entry to the bridireferencerepository
adds all the references of the bridi to the repository
if references is null, does nothing

API

- apply(String idList<String> references)

dependencies

- BridiReferenceRepository

CreateSumtiService

Description

API

- Sumti apply(String idString representation)

dependencies

- SumtiRepository

RemoveReferencesService

Description

removes references from the BridiReferenceRepository - removes all the sumti references for the bridi

API

- apply(String bridiIdList<String> references)

dependencies

- BridiReferenceRepository

SaveBridiService

Description

saving a bridi returns the old bridi if exists, and
- looks up the existing version of the sumti
- if there was an existing version, - then creates a bridi from it
- and cleans its references

- stores the id and representation in the sumtiRepository
 - adds the references
 - adds the save operation to the history with SAVE, the old and new bridi
 - if there was no previous sumti, uses null in the history for it
- the form with collection parameter saves all the bridis

API

- Set<Bridi> apply(Collection<Bridi> values)
- Bridi apply(Bridi bridi)

dependencies

- SumtiRepository
- NotifyStoreChangeService
- CreateBridiFromSumtiService
- RemoveReferencesService
- AddReferencesService

FindBridiByIdService

Description

finds the bridi by Id

returns empty if no bridi found

API

- Optional<Bridi> apply(String id)

dependencies

- CreateBridiFromSumtiService
- SumtiRepository

IsOfTypeService

Description

API

- apply(String idString typeId)

dependencies

- GetBridiElementTypeIdService

RepresentBridiElementService

Description

API

- String apply(String id)

dependencies

- GetBridiElementRepresentationService
- GetBridiElementChildrenService
- GetBridiElementParentService
- GetBridiElementTypeService
- GetBridiElementReferenceIdsService

GetBridiElementTypeIdService

Description

API

- String apply(String id)

dependencies

- GetRelativeForBridiElementService

GetBridiElementRepresentationService

Description

API

- String apply(String id)

dependencies

- SumtiRepository

IsInstanceService

Description

for noninstance returns false

for direct instance returns true

for indirect instance returns true

everything is a thing

API

- `apply(String objectIdString typeId)`

dependencies

- `GetRelativeForBridiElementService`

GetBridiElementChildrenService

Description

API

- `Stream<BridiElement> apply(String id)`

dependencies

- `GetRelativeForBridiElementService`
- `BridiReferenceRepository`
- `BridiElementFactory`

BridiElementFactory

Description

API

- `BridiElement apply(String id)`

dependencies

- `AutowireCapableBeanFactory`

GetBridiElementTypeService

Description

API

- `BridiElement apply(String id)`

dependencies

- `GetBridiElementTypeIdService`
- `BridiElementFactory`

BridiElementSystemInitializationService

Description

creates sumti IS_A
creates sumti CONTAINS
creates sumti ROOT
creates sumti THING
creates sumti CONTAINER
creates sumti UNPLACED
creates sumti TRUE
creates sumti FALSE
creates sumti IS_FUNCTION_FOR
creates sumti SAVE_FUNCTION_REF
creates sumti DOSAVE
creates sumti DIAGRAM
creates sumti DIAGRAM_ELEMENT
creates bridis from the definition file
logs success

API

- apply()

dependencies

- InezImpl
- LoggerService

GetRelativeForBridiElementService

Description

API

- Stream<String> apply(String idString selbriId fromPosition toPosition)

dependencies

- BridiReferenceRepository

GetBridiElementReferenceIdsService

Description

API

- `Stream<String> apply(String id)`

dependencies

- `BridiReferenceRepository`

GetBridiElementReferencesService

Description

API

- `Stream<BridiElement> apply(String id)`

dependencies

- `GetBridiElementReferenceIdsService`
- `BridiElementFactory`

CreateBridiElementService

Description

saves 3 bridis

the first one is the element

with the given representation

and the given references

the second one is '{@elementId} is a {@typeId}'

the representation of the second one uses actual representations

the third one is '{@containerId} contains {@elementId}'

the representation of the third one uses actual representations

the references are saved

if the type does not exist, an `IllegalArgumentException` is thrown

if the container does not exist, an `IllegalArgumentException` is thrown

if there is a nonexisting reference, an `IllegalArgumentException` is thrown

API

- BridiElement apply(String containerIdString typeIdString representation references)

dependencies

- SaveBridiService
- FindBridiByIdService
- BridiElementFactory

GetBridiElementParentService

Description

API

- String apply(String id)

dependencies

- GetRelativeForBridiElementService
- SumtiRepository
- BridiReferenceRepository

Save

Description

API

- Stream<Bridi> apply(String topList<String> partList notAnyIndexList<Set<String>» foundIds)

dependencies

- InezImpl
- ParseTextService

Repositories

SumtiRepository

- extends: CrudRepository
- stores: Sumti
- id: String

Query definitions

- Set<Sumti> findAllByRepresentation(String representation)

ProblemRepository

- extends: CrudRepository
- stores: InezProblem
- id: String

Query definitions

BridiReferenceRepository

- extends: CrudRepository
- stores: BridiReference
- id: String

Query definitions

- Set<BridiReference> findAllByBridiId(String id)
- Set<BridiReference> findAllBySelbriIdAndSumtiIdAndPosition(String selbriIdString sumtiId position)
- deleteBybridIdAndPositionAndSumtiId(String bridIdInteger position-String sumtiId)
- Optional<BridiReference> findByBridiIdAndPosition(String bridId i)
- Set<BridiReference> findAllByBridiIdAndPosition(String bridId i)

BridiStoreHistoryRepository

- extends: CrudRepository
- stores: StoreCommand
- id: String

Query definitions

Utilities

Glue

BridiStoreChangeListener

API

- listen(StoreCommand operation)

Inez

API

- registerListener(BridiStoreChangeListener listener)
- unregisterListener(BridiStoreChangeListener listener)
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- Stream<Bridi> create(String query)
- Sumti createSumti(String idString representation)
- Set<Bridi> save(Collection<Bridi> values)
- Stream<Bridi> findAllByRepresentation(String representation)
- Optional<Bridi> findById(String string)
- Stream<Bridi> createFromdefinitions(String string)
- BridiElement root()
- BridiElement byId(String id)
- initialize()

TestConfig

API