

EDIT - feature request #8464

Make AuthorityBases unique

08/14/2019 10:56 AM - Andreas Müller

Status:	New	Start date:	
Priority:	New	Due date:	
Assignee:	Andreas Müller	% Done:	0%
Category:	cdm	Estimated time:	0:00 hour
Target version:	CDM UML 5.32		
Severity:	normal		
Description			
The old GrantedAuthorityImpl.authority was unique and NotNull. This was forgotten to implement when implementing CdmAuthority and Role (AuthorityBase) in #7099 . Needs to be done or to be discussed (see #4922). Maybe also #7100 needs to be considered. https://dev.e-taxonomy.eu/redmine/projects/edit/wiki/WorkshopRightsAndRoles2017-11			
Related issues:			
Related to EDIT - task #7100: Split CdmAuthority into operations and filters			New
Related to EDIT - feature request #4922: GrantedAuthorities not reusable anymore			New
Related to EDIT - bug #9058: Hibernate loggs error when creating schema on My...			Closed
Copied from EDIT - task #7099: Make CdmAuthority a persistable class			Closed

Associated revisions

Revision 20ffe9b7 - 08/16/2019 10:10 AM - Andreas Müller

ref #7099 , ref #8464 some adaptations on constraints for CdmAuthority

History

#1 - 08/14/2019 10:57 AM - Andreas Müller

- Copied from task #7099: Make CdmAuthority a persistable class added

#2 - 08/14/2019 10:57 AM - Andreas Müller

- Related to task #7100: Split CdmAuthority into operations and filters added

#3 - 08/14/2019 10:57 AM - Andreas Müller

- Related to feature request #4922: GrantedAuthorities not reusable anymore added

#4 - 08/14/2019 10:58 AM - Andreas Müller

- Tags set to permission

#5 - 08/14/2019 12:15 PM - Andreas Müller

- Target version changed from CDM UML 5.15 to CDM UML 5.8

#6 - 08/15/2019 03:57 PM - Andreas Müller

- Target version changed from CDM UML 5.8 to CDM UML 5.15

This seems to be more difficult than I thought.

In general hibernate allows the `uniqueConstraints=@UniqueConstraint(columnNames={"xxx"})` attribute on `java.persistence.Table`. This also works on ordinary tables with multiple columns (I tested on FeatureState).

But CdmAuthority uses the table from the base class AuthorityBase. Therefore its uniqueConstraints needs to be defined there. This also works if only 1 column is defined. It does not work with multiple columnNames for some reason. I also tried to remove all other constraints with no effect.

This requires further investigation.

#7 - 05/13/2020 08:49 PM - Andreas Müller

Maybe this is a simple index size problem. During an import I got

```
20:20:05,140 ERROR SchemaExport:484 - HHH000389: Unsuccessful: alter table Authority add constraint UKr4d50pph1jg53wdx17pxp8bmp unique (property, permissionClass, targetUuid, operations)
20:20:05,140 ERROR SchemaExport:485 - Specified key was too long; max key length is 1000 bytes
```

We need to try if with smaller column sizes it works.

#8 - 06/09/2020 10:32 PM - Andreas Müller

- Related to bug #9058: *Hibernate logs error when creating schema on MySQL due to failing index creation added*

#9 - 06/09/2020 10:38 PM - Andreas Müller

In [#9058](#) a very similar problem was solved. For doing the same thing for this index (which is a unique index not a simple index as in [#9058](#)) will require to

- reduce the size of the columns to the required size (maybe we can also reduce the key's size for the enumerations)
- define a new uniqueIndexExporter with prefix indexing as in [#9058](#) for multiple columns if the size is still too large

Needs discussion on what the better solution is.

#10 - 06/23/2020 02:53 PM - Andreas Müller

- Target version changed from CDM UML 5.15 to CDM UML 5.32