

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 5.43		
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 5.43