

EDIT - bug #7390

possible permission clash when adding basionym

04/30/2018 09:37 AM - Andreas Kohlbecker

Status:	Duplicate	Start date:	
Priority:	New	Due date:	
Assignee:	Andreas Müller	% Done:	0%
Category:	cdmlib	Estimated time:	0:00 hour
Target version:	Release 5.0	Found in Version:	
Severity:	normal		
Description When a user is only having per entity grants to UPDATE TaxonNames adding a basionym to a taxonname may fail: <ul style="list-style-type: none">TaxonName "Beta exemplaris" for which the user has the UPDATE authorityTaxonName "Alpha exemplaris" for which the user is not having the update permission. Adding "Alpha exemplaris" as basionym to "Beta exemplaris" will fail in this situation during the hibernate session flush since the new basionym name relationships will be added to both of the taxon names. This operation should be possible, though. The scientific name at the <i>from</i> -side (that is the basionym) of the name relation is not altered by using it as a basionym for another name. The same issue exists also replaced synonym relations! Possible solutions: <ul style="list-style-type: none">General solution:<ul style="list-style-type: none">Skip the permission check for name relations at the from-side for basionym and replaced-synonym relations. How about other relations? (This can be reached e.g. by removing the according Cascade)Introduce a new permission concept like <i>privileged access</i> for updates: <i>privileged update</i>? (see SAP)Application specific: Temporarily grant the UPDATE authority to the user performing the operations in the client application. Grant before flushing the session and remove the grant afterwards. Use a try-catch-finally clause where the withdrawal of the temporary permission is done in the finally clause. --> #7391 see also WorkshopRightsAndRoles2017-11			
Related issues: Related to EDIT - bug #7391: grant UPDATE for taxonnames temporarily when usi... <div>Rejected</div> Related to EDIT - bug #7392: Remove Cascade from relations <div>Closed</div>			

History

#1 - 04/30/2018 09:39 AM - Andreas Kohlbecker

- Related to bug #7391: grant UPDATE for taxonnames temporarily when using a name as basionym added

#2 - 04/30/2018 09:40 AM - Andreas Kohlbecker

- Tags changed from phycobank to permission

#3 - 04/30/2018 09:40 AM - Andreas Kohlbecker

- Description updated

#4 - 04/30/2018 10:09 AM - Andreas Müller

- Status changed from New to In Progress

- Target version changed from Unassigned CDM tickets to Release 5.0

I think we should first check if removing Cascade from RelationBase.from and RelationBase.to may solve the problem. This is something we are planning anyway to improve performance.
Only we need to check if some explicit saves need to be handled within running applications (TaxEditor, VaadinEditor, imports, ...). First expectation is that only imports may need to be adapted at some points.

#5 - 04/30/2018 10:11 AM - Andreas Müller

- Description updated

Andreas Müller wrote:

I think we should first check if removing Cascade from RelationBase.from and RelationBase.to may solve the problem. This is something we are planning anyway to improve performance.

This actually is equivalent with the "general solution"

#6 - 04/30/2018 10:25 AM - Andreas Kohlbecker

- Description updated

#7 - 04/30/2018 10:28 AM - Andreas Kohlbecker

- Description updated

#8 - 04/30/2018 12:08 PM - Andreas Kohlbecker

I did some further examination of an concrete example for this issue. The problem actually only occurs when adding a second basionym to a name B which already is having a basionym A where the basionym A is already being used as basionym for a name C. In this case the PermissionDeniedException is thrown when the second basionym has been added to A.

#9 - 04/30/2018 02:07 PM - Andreas Müller

- Related to bug #7392: Remove Cascade from relations added

#10 - 05/02/2018 09:12 AM - Andreas Kohlbecker

- Status changed from In Progress to Duplicate

This issue has been clearly solved by fixing [#7392](#), so we can consider this issue being a duplicate of [#7392](#).