

## EDIT - bug #7531

### PermissionDeniedException on flushing registration with modified status even if the user has the required authority

07/04/2018 03:15 PM - Andreas Kohlbecker

<b>Status:</b>	Closed	<b>Start date:</b>	
<b>Priority:</b>	Highest	<b>Due date:</b>	
<b>Assignee:</b>	Andreas Kohlbecker	<b>% Done:</b>	50%
<b>Category:</b>	cdmlib	<b>Estimated time:</b>	0:00 hour
<b>Target version:</b>	Release 5.2	<b>Found in Version:</b>	
<b>Severity:</b>	critical		
<b>Description</b>			
<p>User with the Grantedauthority REGISTRATION(PREPARATION).[UPDATE]{06649467-7c4f-4b8b-98e6-395e4d3af240} changes the status of the Registration (uuid=06649467-7c4f-4b8b-98e6-395e4d3af240) from PREPARATION to CURATION. Saving the modification to the storage fails with a PermissionDeniedException.</p> <p>This happens because the RegistrationVoter only sees the updates RegistrationStatus not the old one.</p> <p>Potential solution:</p> <p><b>1)</b></p> <p>The parameters Object[] previousState, String[] propertyNames available in the interceptor methods (CdmSecurityHibernateInterceptor) these must also be passed to PermissionVoters in general, particularly to the furtherVotingDecision() method.</p> <ul style="list-style-type: none"><li>This makes the authorization implementation more complex but would also offer more degrees of freedom.</li></ul> <p><b>2)</b></p> <p>The Submitter is granted with REGISTRATION(PREPARATION,CURATION).[UPDATE]{06649467-7c4f-4b8b-98e6-395e4d3af240}.</p> <ul style="list-style-type: none"><li>The Submitter would be enabled to save the state transition PREPARATION -&gt; CURATION.</li><li>Drawback: But this brings the drawback that the user would be able to modify the registration when it passed to the curation, be e.g adding typeDesignations. This problem could be avoided by revoking this permission when the status changes by e.g. the GrantedAuthorityRevokingRegistrationUpdateLister (see <a href="#">#7148</a>)</li></ul> <p><b>3)</b></p> <p>The Submitter is granted with REGISTRATION.[UPDATE]{06649467-7c4f-4b8b-98e6-395e4d3af240}.</p> <ul style="list-style-type: none"><li>Drawback: But this brings the drawback that the user would be able to modify registrations in any status This problem must be reliably avoided by revoking this permission when the status changes by e.g. the GrantedAuthorityRevokingRegistrationUpdateLister (see <a href="#">#7148</a>)</li></ul> <p><b>4)</b></p> <p>The RegistrationStatus change is performed by special service bean which does it on behalf of the user. The submitter would trigger sending a event to this service bean to request for the status change. The service bean in turn checks the permissions of the requester and would then execute the status change in a runAs environment as SYSTEM_USER.</p> <ul style="list-style-type: none"><li>Drawback: The updated by would not mention the submitter.</li></ul>			
<b>Related issues:</b>			
Related to EDIT - bug #7528: Allow changing the Registration status in the Re...		<b>Closed</b>	
Related to EDIT - feature request #7148: GrantedAuthorityRevokingRegistration...		<b>Closed</b>	

#### Associated revisions

**Revision 72ce5ca1 - 07/06/2018 01:27 PM - Andreas Kohlbecker**

ref #7531 introducing TargetEntityStates to replace plain cdm entities in the permission voting process

**Revision 56e9117c - 07/06/2018 02:28 PM - Andreas Kohlbecker**

ref #7531 RegistrationVoter evaluates previous state on Registration.status changes

**Revision 8f51ee96 - 07/06/2018 03:10 PM - Andreas Kohlbecker**

ref #7531 CdmPermissionEvaluator.hasPermission() wraps cdm entities in TargetEntityStates

**History**

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**#1 - 07/04/2018 03:15 PM - Andreas Kohlbecker**

- Related to bug #7528: Allow changing the Registration status in the RegistrationWorkingsetEditor added

**#2 - 07/05/2018 11:53 AM - Andreas Kohlbecker**

- Status changed from New to In Progress

**#3 - 07/05/2018 02:12 PM - Andreas Kohlbecker**

- Description updated

**#4 - 07/05/2018 02:14 PM - Andreas Kohlbecker**

- Description updated

Solution 1) still looks like the best option we have.

**#5 - 07/05/2018 02:14 PM - Andreas Kohlbecker**

- Related to feature request #7148: GrantedAuthorityRevokingRegistrationUpdateLister: delete orphan references to GrantedAuthorityImpl in User and Group added

**#6 - 07/05/2018 02:22 PM - Andreas Kohlbecker**

- Description updated

**#7 - 07/06/2018 03:17 PM - Andreas Kohlbecker**

- Status changed from In Progress to Resolved

- Assignee changed from Andreas Kohlbecker to Andreas Müller

- % Done changed from 0 to 50

Fixed by implementing solution 1)

@Andreas Müller: can you please review the changes in cdmlib?

**#8 - 08/17/2018 09:27 AM - Andreas Müller**

- Status changed from Resolved to Closed

- Assignee changed from Andreas Müller to Andreas Kohlbecker

Very beautiful code ;-), I think we can close this ticket.