

Redmine - Feature #13538

Role Based Access Control on Subversion commit log

2013-03-20 16:10 - Toru Haraguchi

Status: New	Start date:
Priority: Normal	Due date:
Assignee:	% Done: 0%
Category: SCM	Estimated time: 0.00 hour
Target version:	
Resolution:	
Description	
Abstract	
Extending RBAC on Subversion commit log increase the value of Redmine.	
Observation	
Human-being fails sometimes in typing, or identifying his her changes on a write-once system, such as SCMs.	
On the other hand, based on "depravity" theory, once one have a device to rewrite his scribe, he she start depending on the facility and stop reviewing before committing it, or even start tricking colleagues...	
Cure should be a control mechanism.	
Analysis	
Redmine reflects Subversion's (and possibly any other SCM's) changes to the views by modeling the information on a table sets "changesets", "changes", "changesets_issues".	
Subversion has an API as hooks to validate revprop-change requests and notify it to external program.	
Suggested Implementation	
<ol style="list-style-type: none">1. Add role-based permission for SCM's commit log change, and declare it to users - Redmine's feature2. Add utilization script which validate log change request against the permission above, at such as Subversion's pre-revprop-change - User's responsibility, but hope provided in extra/svn3. Add utilization script which notify to Redmine by posting a record in Redmine's DB, that the log change request was validated and processed against certain revision of the repository - User's responsibility, but hope provided in extra/svn4. Add batch script which fetch the notification record above, and update the related records - Redmine's feature5. Invoke the batch script above periodically - User's responsibility	
Related issues:	
Related to Redmine - Feature #2667: subversion commit info modification (usin...	Closed 2009-02-04