

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