

Redmine - Feature #10203

Limit the amount of data returned by scm diff commands

2012-02-10 22:02 - Cheyenne Wills

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:			
Resolution:			

Description

We have encountered a problem where Redmine exhausts memory processing the output of the SCM diff command (subversion in our case).

I would like to propose a solution where the size of the diff output is verified prior to trying to process the data in UnifiedDiff.

Problem:

UnifiedDiff has code that limits the number of lines shown when displaying diffs (options[:max_lines]). The problem is that the input to UnifiedDiff can exceed the memory of the system before the check for max_lines can be performed.

Suggested solution(s):

in /lib/redmine/scm/adapters, modify the scm adapters to limit the output from the {scm} diff command.

- One possible solution would be to instead show a summary of the differences and allow the user to select an individual file.
- Another solution add code to the diff function within {scm}_adapter.rb to perform a diff --summarize first and count the number of files changed and return an error message if it exceeds a threshold.