

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	
<p>We have encountered a problem where Redmine exhausts memory processing the output of the SCM diff command (subversion in our case).</p> <p>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.</p> <p>Problem:</p> <p>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.</p> <p>Suggested solution(s):</p> <p>in /lib/redmine/scm/adapters, modify the scm adapters to limit the output from the {scm} diff command.</p> <ul style="list-style-type: none">• 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.	