

RhodeCode CE/EE - Feature #4232

[ce, ee, pr, compare] redo diffs, support side by side diffs, html diffs

18.09.2016 16:40 - Daniel D

Status:	New	Start date:	09.01.2015
Priority:	Normal	Due date:	
Assignee:	Daniel D	% Done:	0%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Sorting:		Commit Number:	
Description			
<p>One of the most requested features is side by side diffs for multiple files at the same time (eg. pull request & compare pages).</p> <p>Currently we have side by side diffs implemented for a single files only using the javascript library mergely. This doesn't include inline comments and uses different syntax highlighting to the rest of Rhodecode. Copy paste of code also works differently between the pr page and the side/side view.</p> <p>There is another javascript diff library: https://diff2html.xyz/demo, which gives very good results, however integrating inline comments and context loading into this proved to be a lot of trouble, also the syntax highlighting doesn't support partial code blocks very well, eg:</p> <pre>51 this is the end of a doc string 52 "" 53 return True</pre> <p>will mark the return True part as a string.</p> <p>Therefore the things we need in diffs are:</p> <ul style="list-style-type: none">• Syntax highlighting based on the entire file, rather than the partial diff• Inline comments + all relevant functionality• Ajax file context loading (eg. click to load more lines of a file before/after the changed lines)• In the browser conversion between raw/unified/side diffs - using JS <p>This will be exposed as a reusable widget that can be used anywhere in Rhodecode, taking a diff reference as a sole argument.</p> <p>The steps to create the diff are:</p> <ol style="list-style-type: none">1. Generate the diff chunks for each file2. Get the old and new versions of the files, highlight using pygments3. Use custom pygments renderer to generate the diff context:<ol style="list-style-type: none">1. Using the original highlighted file lines which will have proper syntax highlighting colors2. Support both unified/sideside without modification3. Use a table that is cypypaste friendly4. Add inline comments + functionality5. Expose load more file lines context functionality markers4. Render this in the template5. Apply javascript events lazily to avoid the overheads of adding events to every single element <p>This will also require an endpoint to get the partial N-M lines context of a file @ revision via ajax</p>			
Subtasks:			
Bug # 4256: [ce, ee, ux] Source code highlight colors conflict with red/green inserted/...			New
Task # 4288: [ce, ee] unify controllers that use diffs			Resolved
Task # 4289: [ce, ee] clean up pygments lexer functions + handling			New

History

#1 - 25.10.2016 15:40 - Redmine Integration

Commit 158ce501aebc by Daniel Dourvaris daniel@rhodecode.com on default branch references this issue.

<https://internal-code.rhodecode.com/rhodecode-enterprise-ce/changeset/158ce501aebc2e78f486a7311633d189b754cfe9>

#2 - 25.10.2016 15:40 - Redmine Integration

pullrequest merged by marcink (status: approved). <https://internal-code.rhodecode.com/rhodecode-enterprise-ce/pull-request/2804>