

## RhodeCode CE/EE - Task #4289

Feature # 4232 (New): [ce, ee, pr, compare] redo diffs, support side by side diffs, html diffs

### [ce, ee] clean up pygments lexer functions + handling

21.10.2016 14:40 - Daniel D

<b>Status:</b>	New	<b>Start date:</b>	21.10.2016
<b>Priority:</b>	Low	<b>Due date:</b>	
<b>Assignee:</b>	Daniel D	<b>% Done:</b>	0%
<b>Category:</b>		<b>Estimated time:</b>	0.00 hour
<b>Target version:</b>		<b>Spent time:</b>	0.00 hour
<b>Sorting:</b>		<b>Commit Number:</b>	

#### Description

Currently there are a few lexer functions that seem duplicated/incoherent with each other. This seems to be also tied with the rc extensions which can define custom lexers/file extension mappings in example-ext.py:

```
# =====  
# END OF UTILITY FUNCTIONS HERE  
# =====  
  
# Additional mappings that are not present in the pygments lexers  
# used for building stats  
# format is {'ext':['Names']} eg. {'py':['Python']} note: there can be  
# more than one name for extension  
# NOTE: that this will override any mappings in LANGUAGES_EXTENSIONS_MAP  
# build by pygments  
EXTRA_MAPPINGS = {}  
  
# additional lexer definitions for custom files it's overrides pygments lexers,  
# and uses defined name of lexer to colorize the files. Format is {'ext':  
# 'lexer_name'} List of lexers can be printed running:  
# >> python -c "import pprint;from pygments import lexers;  
# pprint.pprint([(x[0], x[1]) for x in lexers.get_all_lexers()]);"  
  
EXTRA_LEXERS = {}
```

Then there are the functions `get_custom_lexer` and the `FileNode` attributes `filenode.lexer` which don't seem to follow the same logic - the `filenode.lexer` for example seems to prefer a lexer matching the filename instead of a defined custom lexer.

We should use a common base for getting a lexer - one that first returns custom lexer mappings (so that for example `.html` can be mapped to `mako`).

Extending on this it could be possible to make the file extension => lexer mapping a per repository setting, exposed via the ui, which would give the best usability in terms of letting each repo specify which lexer to prefer ... again for example `.html => mako`

#### History

#1 - 21.10.2016 14:42 - Daniel D

- Description updated

#2 - 21.10.2016 14:44 - Daniel D

- Parent task set to #4232