


Redmine - Feature #30429

Automatic language detection in syntax highlighting

2019-01-15 03:21 - Go MAEDA

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Text formatting	Estimated time:	0.00 hour
Target version:			
Resolution:			
<div>Description</div> <p>As of Redmine 4.0, you can use >100 languages in syntax highlighter (#24681). However, as you can use so many languages, it is difficult to memorize which languages you can highlight and what language name you should describe highlighting the snippet.</p> <p>To resolve the problem, I propose a language name "auto". When you use the language name "auto" like the following, Redmine automatically detects the language and highlight the code snippet.</p> <p> auto-keyword-textile.png</p> <p>Probably we can use Rouge::Lexer.guess_by_source to implement this feature.</p>			

History

#1 - 2019-01-15 10:43 - Go MAEDA

Go MAEDA wrote:

Probably we can use [Rouge::Lexer.guess_by_source](#) to implement this feature.

Unfortunately, I found that guess_by_source is not so useful because it checks only a shebang line for most languages. It means that the following snippet that obviously looks like C language is not detected as C but plain text.

```
#include <stdio.h>

int main()
{
    printf("Hello, world!\n");
    return 0;
}
```

```
2.6.0 :012 > text
=> "#include <stdio.h>\n\nint main()\n{\n    printf(\"Hello, world!\\n\");\n    return 0;\n}\n"
```

```
2.6.0 :013 > Rouge::Lexer.guess_by_source(text)
=> Rouge::Lexers::PlainText
```

#2 - 2019-01-15 10:59 - Anonymous

+1 I am thinking it would probably be better to have the syntax highlighter guess the language only in case a user forgot to define what language it is, else the manual definition to always override the automatic detection. :)

#3 - 2019-01-16 09:45 - Bernhard Rohloff

It's for sure a nice improvement for Redmine.
+1

Max Johansson wrote:

I am thinking it would probably be better to have the syntax highlighter guess the language only in case a user forgot to define what language it is, else the manual definition to always override the automatic detection. :)

I would also prefer to have auto detection enabled by default as it would be more convenient and less error prone.

Files

auto-keyword-textile.png	25.8 KB	2019-01-15	Go MAEDA
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