

## Redmine - Defect #20758

### Ampersand+keyword in code highlighting

2015-09-16 00:05 - Sergey Utkin

|                        |                 |                          |           |
|------------------------|-----------------|--------------------------|-----------|
| <b>Status:</b>         | Closed          | <b>Start date:</b>       |           |
| <b>Priority:</b>       | Normal          | <b>Due date:</b>         |           |
| <b>Assignee:</b>       |                 | <b>% Done:</b>           | 0%        |
| <b>Category:</b>       | Text formatting | <b>Estimated time:</b>   | 0.00 hour |
| <b>Target version:</b> |                 | <b>Affected version:</b> | 3.1.0     |
| <b>Resolution:</b>     | Fixed           |                          |           |

#### Description

I came to incorrect behavior of code highlighting in wiki-like pages if keyword begins with an ampersand.

I create a new scanner for coderay for language, which contains a directive for example "&AtServer".  
And then parse the string with scan\_tokens procedure:

```
def scan_tokens encoder, options

  state = :initial

  until eos?

    case state

    when :initial

      if match = scan(%r! & [[:alpha:]]+ !mx)
        encoder.text_token match, :directive

      else
        encoder.text_token getch, :error
      end
    else
      raise_inspect 'Unknown state', encoder
    end

  end

end

if state == :string
  encoder.end_group :string
end

encoder
end
```

And then the strange behavior starts. Testing my scanner gives correct result (&AtServer is highlighted as :directive) but in Redmine wiki the keyword

```
<pre><code class="my_lang">
&AtServer
</code>
```

is not highlighted. However if I type ';'.

```
<pre><code class="my_lang">
&AtServer;
</code>
```

the directive becomes highlighted.

#### Related issues:

|  |        |
|--|--------|
| Related to Redmine - Defect #29681: "%x%" is rendered as "&" in Textile form...  | New    |
| Related to Redmine - Feature #24681: Syntax highlighter: replace CodeRay with... | Closed |

#### History

##### #1 - 2015-09-16 09:02 - Sergey Utkin

- File `ampersand_error.tar.gz` added

attached an example, which looks like this  
2015-09-16\_10-16-55.png  
in Redmine

##### #2 - 2015-09-16 09:19 - Sergey Utkin

- File `2015-09-16_10-16-55.png` added

##### #3 - 2015-09-30 13:41 - Sergey Utkin

###### Environment:

|                  |                                      |
|------------------|--------------------------------------|
| Redmine version  | 3.1.0.stable                         |
| Ruby version     | 2.0.0-p645 (2015-04-13) [i686-linux] |
| Rails version    | 4.2.3                                |
| Environment      | production                           |
| Database adapter | Mysql2                               |

###### SCM:

|            |        |
|------------|--------|
| Subversion | 1.8.13 |
| Git        | 1.9.5  |
| Filesystem |        |

###### Redmine plugins:

|                                    |       |
|------------------------------------|-------|
| <code>a_common_libs</code>         | 1.1.5 |
| <code>computed_custom_field</code> | 0.0.2 |
| <code>custom_menu</code>           | 1.5.0 |
| <code>extra_queries</code>         | 2.0.0 |
| <code>global_roles</code>          | 2.0.0 |
| <code>redmine_checklists</code>    | 3.1.1 |
| <code>redmine_codebutton</code>    | 0.1.0 |
| <code>redmine_dashboard</code>     | 2.7.0 |
| <code>redmine_dmsf</code>          | 1.5.3 |
| <code>redmine_email_fetcher</code> | 0.3.1 |
| <code>redmine_my_page</code>       | 0.1.6 |
| <code>redmine_tweaks</code>        | 0.5.5 |
| <code>rm_user_mentions</code>      | 1.0.0 |
| <code>single_auth</code>           | 2.0.0 |
| <code>under_construction</code>    | 2.0.0 |
| <code>unread_issues</code>         | 1.5.0 |
| <code>usability</code>             | 1.3.0 |

##### #4 - 2018-09-29 10:47 - Go MAEDA

- Related to Defect #29681: "%x%" is rendered as "&" in Textile formatter added

##### #5 - 2018-09-30 05:57 - Go MAEDA

- Category changed from *Third-party libraries* to *Text formatting*
- Status changed from *New* to *Closed*
- Resolution set to *Fixed*

The bug that "&" is changed to "%x%" in the text passed to the syntax highlighter has been fixed in [r17532](#). Please see [source:trunk/lib/redmine/wiki\\_formatting/textile/formatter.rb@17532#L128](#)

Please note that Redmine 4.0 no longer uses CodeRay. See [#24681](#) for details.

##### #6 - 2018-09-30 05:57 - Go MAEDA

- Related to Feature #24681: Syntax highlighter: replace CodeRay with Rouge added

#### Files

|                                     |           |            |              |
|-------------------------------------|-----------|------------|--------------|
| <code>ampersand_error.tar.gz</code> | 668 Bytes | 2015-09-16 | Sergey Utkin |
|-------------------------------------|-----------|------------|--------------|

