

ChiliProject - Bug # 346: I18n YAML files not parsable with psych yaml library

Status:	Closed	Priority:	Normal
Author:	Gregor Schmidt	Category:	Translations
Created:	2011-04-21	Assignee:	Eric Davis
Updated:	2011-04-22	Due date:	
Remote issue URL:			
Affected version:	unstable		
Description:	<p>While moving the 1.9.2 test from unstable_experimental to unstable on ci.cp.o, I was running into an issue, that I faced regularly when setting up tests for 1.9.2. I do not know, why it does not occur everytime, but only under certain conditions, I could not identify yet. The error looks like the following:</p> <pre><pre> /var/lib/jenkins/.rvm/rubies/ruby-1.9.2-p180/lib/ruby/1.9.1/psych.rb:148:in `parse': couldn't parse YAML at line 25 column 14 (Psych::SyntaxError) [] from /var/lib/jenkins/.rvm/rubies/ruby-1.9.2-p180/lib/ruby/1.9.1/psych.rb:148:in `parse_stream' [] from /var/lib/jenkins/.rvm/rubies/ruby-1.9.2-p180/lib/ruby/1.9.1/psych.rb:119:in `parse' [] from /var/lib/jenkins/.rvm/rubies/ruby-1.9.2-p180/lib/ruby/1.9.1/psych.rb:106:in `load' [] from /var/lib/jenkins/.rvm/rubies/ruby-1.9.2-p180/lib/ruby/1.9.1/psych.rb:205:in `load_file' [] from /var/lib/jenkins/.rvm/gems/ruby-1.9.2-p180@122111e57d93198a0f313f0a05f86083/gems/i18n-0.4.2/lib/i18n/b ackend/base.rb:205:in `load_yml' [] from /var/lib/jenkins/.rvm/gems/ruby-1.9.2-p180@122111e57d93198a0f313f0a05f86083/gems/i18n-0.4.2/lib/i18n/b ackend/base.rb:191:in `load_file' [] from /var/lib/jenkins/.rvm/gems/ruby-1.9.2-p180@122111e57d93198a0f313f0a05f86083/gems/i18n-0.4.2/lib/i18n/b ackend/base.rb:20:in `block in load_translations' [] from /var/lib/jenkins/.rvm/gems/ruby-1.9.2-p180@122111e57d93198a0f313f0a05f86083/gems/i18n-0.4.2/lib/i18n/b ackend/base.rb:20:in `each' [] from /var/lib/jenkins/.rvm/gems/ruby-1.9.2-p180@122111e57d93198a0f313f0a05f86083/gems/i18n-0.4.2/lib/i18n/b ackend/base.rb:20:in `load_translations' [] from /var/lib/jenkins/.rvm/gems/ruby-1.9.2-p180@122111e57d93198a0f313f0a05f86083/gems/i18n-0.4.2/lib/i18n/b ackend/simple.rb:57:in `init_translations' [] from /var/lib/jenkins/.rvm/gems/ruby-1.9.2-p180@122111e57d93198a0f313f0a05f86083/gems/i18n-0.4.2/lib/i18n/b ackend/simple.rb:40:in `available_locales' [] from /var/lib/jenkins/.rvm/gems/ruby-1.9.2-p180@122111e57d93198a0f313f0a05f86083/gems/i18n-0.4.2/lib/i18n/c onfig.rb:39:in `available_locales' [] from /var/lib/jenkins/.rvm/gems/ruby-1.9.2-p180@122111e57d93198a0f313f0a05f86083/gems/i18n-0.4.2/lib/i18n.r b:36:in `available_locales' [] from /var/lib/jenkins/.rvm/gems/ruby-1.9.2-p180@122111e57d93198a0f313f0a05f86083/gems/actionpack-2.3.11/li b/action_view/template.rb:226:in `valid_locale?' ... </pre></pre>		

Anyways, I think there is a rather simple underlying problem, that can be easily fixed. Here is the background:

There are currently multiple libraries for parsing YAML files. While 1.8.x is using syck (made by `_why`) 1.9.2 seems to also ship with an alternative named psych. It seems, syck is still used as default unless configured differently. On the other hand, some sources claim, that RubyGems 1.5 explicitly loads psych if it is available. "[1]":<http://blog.segment7.net/2011/01/31/rubygems-1-5#comment-615> JRuby's 1.9 mode seems to only support psych. "[2]":<http://jira.codehaus.org/browse/JRUBY-5549>

Anyways, syck seems to be rather forgiving when parsing YAML files and also works with files, that are actually invalid YAML. This seems to be the case for all locale files in ChiliProject.

Proposed fix

The line

```
order: [ :year, :month, :day ]
```

is invalid YAML and needs to be replaced with

```
order:  
- :day  
- :month  
- :year
```

This was done in Rails' I18n in <https://github.com/svenfuchs/rails-i18n/pull/78>

By changing these lines in ChiliProject's i18n files, the files would be parsable by both syck and psych and whatever library might win in the future or on the local system, we will be safe. Also, this seems to be the only valid way write them in the first place.

A pull request including the proposed changes will be attached shortly.

[1]: <http://blog.segment7.net/2011/01/31/rubygems-1-5#comment-615>

[2]: <http://jira.codehaus.org/browse/JRUBY-5549>

Associated revisions

2011-04-21 11:47 am - Gregor Schmidt

[#346] changing i18n files to use valid yaml syntax that may be parsed by psych

2011-04-21 12:04 pm - Gregor Schmidt

[#346] also fixing erroneous string starting with %

2011-04-21 01:21 pm - Gregor Schmidt

[#346] Fixing hebrew translations to work with psych

2011-04-21 01:24 pm - Gregor Schmidt

[#346] Fixing polish and swedish translations to work with psych

History

2011-04-21 11:31 am - Gregor Schmidt

- Status changed from Open to Ready for review

Pull request is at <https://github.com/chiliproject/chiliproject/pull/41>

After fixing the issue described above, there were also some other ambiguities, that needed to be fixed, to parse the files using psych.

I have tested loading them using 1.9.2 with psych and syck, as well as 1.8.7 using syck.

2011-04-21 11:34 am - Gregor Schmidt

One more thing:

Sorry for being so bold, but I would be happy if this was reviewed rather sooner than later, since it currently breaks the tests of 1.9.2 on ci.chiliproject.org and I do not know how to work around the fact, that psych is used instead of syck in that configuration.

2011-04-21 08:10 pm - Eric Davis

- Assignee set to Eric Davis

- Category set to Translations

- (deleted custom field) set to unstable

- Status changed from Ready for review to Closed

Merged in commit:d02d8e7. Tests all pass in @ruby 1.8.7 (2011-02-18 patchlevel 334) [i486-linux]@, let me know how it looks for 1.9/JRuby.

2011-04-22 09:26 pm - Gregor Schmidt

The errors on ci.cp.o are gone. Now the build is running properly and we're getting some failures.

Thanks.