Redmine - Patch #31384

Remove custom lazy loading of i18n files

2019-05-17 16:55 - Pavel Rosický

Status:	Closed	**Start date:**	
Priority:	Normal	**Due date:**	
Assignee:	Jean-Philippe Lang	**% Done:**	0%
Category:	Code cleanup/refactoring	**Estimated time:**	0.00 hour
Target version:			

Description

i18n gem was updated in #29946 (4.1.0)

this caused a regression with these translations

```
    numbers:
      '1': One
      '2': Two
      '3': Three

    I18n.t('1', scope: [:numbers])

    Failure/Error: _key = _key.to_sym
    NoMethodError:
      undefined method `to_sym' for 2:Integer
      Did you mean?  to_s
    # ./lib/redmine/i18n.rb:206:in `block in lookup'
    # ./lib/redmine/i18n.rb:205:in `each'
    # ./lib/redmine/i18n.rb:205:in `inject'
    # ./lib/redmine/i18n.rb:205:in `lookup'
    # /usr/local/rvm/gems/ruby-2.5.3-railsexpress/gems/i18n-1.6.0/lib/i18n/backend/base.rb:32:in
`translate'
```

the problem is in redmine, because it uses a custom backend that overrides the original behaviour and it wasn't updated accordingly

see the original PR https://github.com/ruby-i18n/i18n/pull/422
also this change doesn't work https://github.com/ruby-i18n/i18n/pull/469

attached patch fixes the problem by removing most of the custom backend in redmine

Related issues:

Related to Redmine - Feature #36728: Reintroduce lazy loading of i18n files	**Closed**
Blocks Redmine - Feature #29946: Update i18n gem (~> 1.6.0)	**Closed**

Associated revisions

Revision 18286 - 2019-06-20 10:41 - Jean-Philippe Lang

Removes lazy loading of i18n files for 18n 1.6.0 compat (#31384).

History

#1 - 2019-05-19 15:28 - Go MAEDA

- Related to Feature #29946: Update i18n gem (~> 1.6.0) added

#2 - 2019-05-19 15:28 - Go MAEDA

- Target version set to 4.1.0

#3 - 2019-05-19 15:28 - Go MAEDA

- Related to deleted (Feature #29946: Update i18n gem (~> 1.6.0))

#4 - 2019-05-19 15:29 - Go MAEDA

- Blocks Feature #29946: Update i18n gem (~> 1.6.0) added

#5 - 2019-05-19 15:36 - Go MAEDA

- Target version deleted (4.1.0)

#6 - 2019-05-20 09:13 - Marius BĂLTEANU

- Assignee set to Jean-Philippe Lang

- Target version set to 4.1.0

Jean-Philippe, please take a look at the patch proposed by Pavel as a fix to a problem that was introduced by me when we updated the i8n gem to 1.6.0 (#29946).

For me, the change looks good, especially because we drop quite a lot of custom code.

#7 - 2019-06-20 10:40 - Jean-Philippe Lang

Marius BALTEANU wrote:

> For me, the change looks good, especially because we drop quite a lot of custom code.

Sure but it also removes the feature that this custom code provides :-)

#8 - 2019-06-20 10:42 - Jean-Philippe Lang

- Subject changed from fix type-casted translation keys to Remove custom lazy loading of i18n files

- Category set to Code cleanup/refactoring

- Status changed from New to Closed

- Target version deleted (4.1.0)

Patch committed.

#9 - 2019-06-20 14:43 - Pavel Rosický

thanks for the feedback. You're right, i18n gem provides lazy loading for translations, but it loads all available translations at once.

the original redmine backend loaded only the current locale and this optimization was removed.

here's a benchmark on a clean redmine instance (without plugins)

```
  1.859000   1.515000   3.374000 (  3.379579) - load all locales
  0.079000   0.063000   0.142000 (  0.141866) - load the current locale (english)
```

on production all translations should be eager loaded, but on development the first request time is now significantly worse. Do you think it's worth to restore the optimization or improve it in the i18n gem?

#10 - 2022-03-04 01:02 - Go MAEDA

- Related to Feature #36728: Reintroduce lazy loading of i18n files added

Files

i18n.rb.patch	2.85 KB	2019-05-17	Pavel Rosický