

Redmine - Defect #35435

Psych 4: aliases in database.yml cause Psych::BadAlias exception

2021-06-22 14:33 - Pavel Rosický

Status:	Resolved	Start date:	
Priority:	Normal	Due date:	
Assignee:	Go MAEDA	% Done:	0%
Category:	Gems support	Estimated time:	0.00 hour
Target version:	4.2.3	Affected version:	
Resolution:	Fixed		
Description			
see for details https://github.com/ruby/psych/pull/487 https://github.com/rails/rails/commit/1e56b1d1152e8ab74203db30625116844614cc78			
patch			
<pre>diff --git a/Gemfile b/Gemfile index b83cd2215..8f6bbe946 100644 --- a/Gemfile +++ b/Gemfile @@ -52,7 +52,8 @@ require 'erb' require 'yaml' database_file = File.join(File.dirname(__FILE__), "config/database.yml") if File.exist?(database_file) - database_config = YAML::load(ERB.new(IO.read(database_file)).result) + yaml_config = ERB.new(IO.read(database_file)).result + database_config = YAML.respond_to?(:unsafe_load) ? YAML.unsafe_load(yaml_config) : YAML.load(yaml_config) adapters = database_config.values.map { c c['adapter']}.compact.uniq if adapters.any? adapters.each do adapter </pre>			
without this change, Psych 4 will break aliases in config/database.yml			
<pre>production: &alias adapter: mysql2 database: xxx development: *alias</pre>			
error			
<pre>Cannot load database configuration: (Psych::BadAlias) Unknown alias: alias</pre>			

Associated revisions

Revision 21059 - 2021-07-04 01:13 - Go MAEDA

Psych 4: aliases in database.yml cause Psych::BadAlias exception (#35435).

Patch by Pavel Rosický.

History

#1 - 2021-07-01 12:12 - Go MAEDA

- Description updated
- Target version set to 4.1.4

Confirmed the issue by adding the following line to Gemfile.local.

```
gem 'psych', '~> 4.0.0'
```

Setting the target version to 4.1.4.

#2 - 2021-07-02 04:40 - Go MAEDA

- Tracker changed from Patch to Defect
- Subject changed from Psych 4 support to Psych 4: aliases in database.yml cause Psych::BadAlias exception
- Status changed from New to Confirmed

#3 - 2021-07-04 01:13 - Go MAEDA

- Status changed from Confirmed to Resolved
- Assignee set to Go MAEDA
- Resolution set to Fixed

Committed the fix. Thank you.

#4 - 2021-07-04 08:09 - Alexander Meindl

Hi,

plugin settings do not work with psych >= 4, too.

```
[6] Setting.plugin_redmine_messenger
Setting Load (0.5ms) SELECT `settings`.* FROM `settings` WHERE `settings`.`name` = 'plugin_redmine_messenger' ORDER BY
`settings`.`id` DESC LIMIT 1
Psych::DisallowedClass: Tried to load unspecified class: ActiveSupport::HashWithIndifferentAccess
from /Users/alex/.rbenv/versions/2.7.3/lib/ruby/gems/2.7.0/gems/psych-4.0.1/lib/psych/class_loader.rb:99:in `find'
```

The problem is caused by <https://www.redmine.org/projects/redmine/repository/entry/trunk/app/models/setting.rb#L109>

Tested with multiple plugins, Redmine 4.2.1 and Ruby 2.7.3 with

```
gem 'psych', '~> 4.0.0'
```

Some plugins are already using psych >= 4, see <https://github.com/AlphaNodes/additional/issues/107>.

#5 - 2021-07-27 03:27 - Go MAEDA

- *Target version changed from 4.1.4 to 4.2.3*