

Redmine - Defect #36226

Psych 4: Psych::DisallowedClass exception when unserializing a setting value

2021-11-23 07:53 - Go MAEDA

Status: Closed	Start date:
Priority: Normal	Due date:
Assignee: Go MAEDA	% Done: 0%
Category: Gems support	Estimated time: 0.00 hour
Target version: 4.1.6	Affected version:
Resolution: Fixed	
Description	
<p>Psych 4.0 uses <code>safe_load</code> by default (see https://github.com/ruby/psych/pull/487). Due to this change, <code>Setting#value</code> may raise <code>Psych::DisallowedClass</code> exception.</p> <pre>\$ echo gem "psych", '~> 4.0.0' >> Gemfile.local \$ bundle install \$ bin/rails test test/functional/settings_controller_test.rb Run options: --seed 45283 # Running: E Error: SettingsControllerTest#test_post_plugin_settings: Psych::DisallowedClass: Tried to load unspecified class: ActiveSupport::HashWithIndifferentAccess app/models/setting.rb:109:in `value' app/models/setting.rb:131:in `[]=' app/models/setting.rb:326:in `plugin_foo=' app/controllers/settings_controller.rb:73:in `plugin' lib/redmine/sudo_mode.rb:61:in `sudo_mode' test/functional/settings_controller_test.rb:244:in `test_post_plugin_settings' rails test test/functional/settings_controller_test.rb:237</pre>	
Related issues:	
Related to Redmine - Feature # 36205: Ruby 3.1 support	Closed
Duplicated by Redmine - Defect # 36584: Error on creating custom fields using...	Closed

Associated revisions

Revision 21294 - 2021-11-25 06:48 - Go MAEDA

Psych 4: Psych::DisallowedClass exception when unserializing a setting value (#36226).

Patch by Go MAEDA.

Revision 21404 - 2022-02-09 01:53 - Go MAEDA

Merged r21294 from trunk to 4.2-stable (#36226).

Merged r21294 from trunk to 4.1-stable (#36226).

History

#1 - 2021-11-23 07:53 - Go MAEDA

- Related to Feature #34992: Ruby 3.0 support added

#2 - 2021-11-23 07:53 - Go MAEDA

- Related to deleted (Feature #34992: Ruby 3.0 support)

#3 - 2021-11-23 07:54 - Go MAEDA

- Related to Feature #36205: Ruby 3.1 support added

#4 - 2021-11-23 08:29 - Go MAEDA

- Target version set to 5.0.0

The following patch fixes the issue.

```
diff --git a/app/models/setting.rb b/app/models/setting.rb
index dfa054028..2b6a7a1ff 100644
--- a/app/models/setting.rb
+++ b/app/models/setting.rb
@@ -106,7 +106,8 @@ class Setting < ActiveRecord::Base
  v = read_attribute(:value)
  # Unserialize serialized settings
  if available_settings[name]['serialized'] && v.is_a?(String)
-   v = YAML::load(v)
+   # YAML.load is equivalent to YAML.safe_load in Pysch 4
+   v = YAML.respond_to?(:unsafe_load) ? YAML.unsafe_load(v) : YAML.load(v)
  v = force_utf8_strings(v)
end
v = v.to_sym if available_settings[name]['format'] == 'symbol' && !v.blank?
```

#5 - 2021-11-25 06:48 - Go MAEDA

- Status changed from New to Closed

- Assignee set to Go MAEDA

- Resolution set to Fixed

Committed the fix.

#6 - 2022-02-09 02:20 - Go MAEDA

- Target version changed from 5.0.0 to 4.1.6

#7 - 2022-02-20 08:58 - Go MAEDA

- Duplicated by Defect #36584: Error on creating custom fields using Ruby version 2.7.2 added