

## Redmine - Defect #36226

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

2021-11-23 07:53 - Go MAEDA

<b>Status:</b> Closed	<b>Start date:</b>
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b> Go MAEDA	<b>% Done:</b> 0%
<b>Category:</b> Gems support	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b> 5.0.0	<b>Affected version:</b>
<b>Resolution:</b> Fixed	
<b>Description</b>	
<p>Psych 4.0 uses <code>safe_load</code> by default (see <a href="https://github.com/ruby/psych/pull/487">https://github.com/ruby/psych/pull/487</a>). Due to this change, <code>Setting#value</code> may raise <code>Psych::DisallowedClass</code> exception.</p> <pre>\$ echo gem "psych", '~&gt; 4.0.0' &gt;&gt; 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>	
<b>Related issues:</b>	
Related to Redmine - Feature # 36205: Ruby 3.1 support	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.

#### 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 Psych 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.