

# Redmine - Feature #23131

## Plugin load order defined by inter-plugin dependencies

2016-06-21 17:29 - Felix Schäfer

<b>Status:</b> Reopened	<b>Start date:</b>
<b>Priority:</b> Normal	<b>Due date:</b>
<b>Assignee:</b>	<b>% Done:</b> 0%
<b>Category:</b>	<b>Estimated time:</b> 0.00 hour
<b>Target version:</b>	
<b>Resolution:</b> Duplicate	
<b>Description</b>	
<p>Currently plugins requiring another plugin not yet loaded will cause a hard error, forcing plugin authors to somehow name their plugins to have a name that will be sorted after the names of all the other plugins they rely on in the default sort order (alphabetical I'd guess). See source:/tags/3.3.0/lib/redmine/plugin.rb#L236 for the method to require other plugins, which will throw a hard error on line 251 on Plugin.find when the plugin hasn't been loaded yet.</p> <p>This was something handled in ChiliProject, see <a href="https://github.com/chiliproject/chiliproject/commit/a24a24eb1980625fbc4558fc44f15498e883d2d9">https://github.com/chiliproject/chiliproject/commit/a24a24eb1980625fbc4558fc44f15498e883d2d9</a></p> <p>Would something like that be of interest to Redmine? We could take care of adapting that patch to current Redmine trunk.</p>	
<b>Related issues:</b>	
Related to Redmine - Patch # 24939: Changing plugin loading order	<b>New</b>
Related to Redmine - Patch # 26439: Plugin load order defined by plugin checks	<b>New</b>
Duplicates Redmine - Defect # 6324: requires_redmine_plugin should defer load...	<b>New</b> <b>2010-09-07</b>

### History

#### #1 - 2016-06-22 23:41 - Mischa The Evil

- Duplicates Defect #6324: requires\_redmine\_plugin should defer loading plugins if not all dependencies are met added

#### #2 - 2016-06-22 23:41 - Mischa The Evil

- Status changed from New to Closed

- Resolution set to Duplicate

Felix, I think that it would be a good thing if the Redmine core would include *some* solution for this issue. Please see #6324 (authored by Tim Felgentreff) and specifically the patch by Jean-Baptiste Barth in #6324#note-8.

Kind regards, Mischa.

#### #3 - 2016-06-23 10:05 - Felix Schäfer

- Status changed from Closed to Reopened

Thanks, I hadn't seen that one.

This is *not* the same requirement and solution though, as it is not possible to depend on *code* in not-yet-loaded plugins with this solution.

Example: Plugin A requires Plugin B and specifically needs lib/b.rb from that plugin to be require-able, which wouldn't work with the solution in #6324.

The referenced ChiliProject commit allows for this. It is a more generic (and in my opinion better) solution to that problem.

**#4 - 2016-09-19 04:32 - Michael Krupp**

That is not entirely true. Requiring plugin-external libraries in a `to_prepare` and/or `after_initialize` block works just fine.

See: <http://guides.rubyonrails.org/configuring.html#initialization-events>

**#5 - 2016-10-20 10:26 - Jaap de Haan**

Wouldn't a simple topological sort (ruby TSort) in `lib/redmine/plugin.rb@self.load` do the trick?

Of course provided that we can get information about the dependencies without having to load the plugins first... Chicken/Egg problem.

**#6 - 2017-05-26 13:07 - Toshi MARUYAMA**

- Related to Patch #24939: *Changing plugin loading order added*

**#7 - 2017-07-17 14:17 - Go MAEDA**

- Related to Patch #26439: *Plugin load order defined by plugin checks added*