

Redmine - Defect #31116

Database migrations don't run correctly for plugins when specifying the `VERSION` env variable

2019-03-29 00:06 - Anonymous

Status:	New	Start date:	
Priority:	Normal	Due date:	
Assignee:		% Done:	0%
Category:	Plugin API	Estimated time:	0.00 hour
Target version:	Candidate for next major release	Affected version:	4.0.2
Resolution:			
Description			
<p>tl;dr: When comparing versions, the <code>current_version</code> is set to the core's latest migration instead of the plugin's latest.</p>			
<p>Steps to reproduce:</p>			
<p>1. Install any plugin with migrations, for example:</p>			
<pre>cd redmine/plugins git clone https://github.com/ixti/redmine_tags.git bundle install rake redmine:plugins:migrate NAME=redmine_tags</pre>			
<p>2. Undo the last migration of that plugin:</p>			
<pre>rake redmine:plugins:migrate NAME=redmine_tags VERSION=20151209153801</pre>			
<p>3. Migrate to the latest version again, but specifying the version this time:</p>			
<pre>rake redmine:plugins:migrate NAME=redmine_tags VERSION=20180122193833</pre>			
<p>Expected behaviour: the 20180122193833 migration is executed. Actual behaviour: the 20180122193833 is not executed.</p>			
<p>This is because redmine core's latest migration is 20180923091603 which is greater than the plugin's 20180122193833.</p>			
<p>The attached fix defines a <code>migrate</code> method for the <code>Redmine::Plugin::MigrationContext</code> class that makes sure to pass along the current plugin's latest migration. Using the default migrate method defined in <code>activerecord</code> executes a <code>current_version</code> that looks for the most current migration in the list of all migrations (core and plugins).</p>			
<p>Note: I have not run any tests with this patch.</p>			

History

#1 - 2019-03-30 11:28 - Anonymous

Test run available here: <https://gitlab.com/sdwolfz/redmine/-/jobs/187237412>

Although... I am not sure how to add a test that checks for this exact error.

#2 - 2019-03-31 07:06 - Go MAEDA

- *Category set to Plugin API*

- *Target version set to Candidate for next major release*

#3 - 2019-04-17 17:49 - Martijn Vernooij

- *File redmine-4.0.2.plugin-upgrade.patch added*

I noticed the same issue (with 4.0.2 though) and 'fixed' it another way.

Files

0001-Fixes-plugin-migration-with-specific-version.patch	1.75 KB	2019-03-28	Anonymous
redmine-4.0.2.plugin-upgrade.patch	1.47 KB	2019-04-17	Martijn Vernooij