

Installation of Redmine Automation

General Redmine installation procedure is explained at <http://www.redmine.org/projects/redmine/wiki/redmineinstall> and plugin installation here: <http://www.redmine.org/projects/redmine/wiki/Plugins>.

System requirements

Make sure that:

- the [Redmine requirements](#) are fulfilled
- [Plugin requirements](#) are fulfilled
- the plugin redmine_reporting is successfully (error free) [installed](#) before you begin.

Installation

1. Installation of *Reporting Plugin*

The *Reporting* plugin is required to make the *Automation Plugin* work. Proceed the installation of the plugin [Reporting Plugin Installation](#) as described in the installation manual there.

Note: Proceed the following steps only after a successful and error free Reporting plugin installation.

2. Plugin data unzip

Change into the directory \$REDMINE_ROOT/plugins and unzip there the plugin. Afterwards the plugin should be lying in the path:

```
$REDMINE_ROOT/plugins/redmine_automation/init.rb
```

Furthermore the Plugin [redmine_reporting](#) is necessary on your system to make the Automation work. Please proceed as described in the [Installation](#) of the Reporting Plugin.

3. Install / update Ruby (Gem) packages

Install / update the necessary Ruby (Gem) packages:

```
cd $REDMINE_ROOT
bundle update
```

If you installed Redmine with the official documentation [RedmineInstall#Step-4-Dependencies-installation](#), existing [bundler](#) configuration will be used.

4. Database changes

In this step you enter the following code in order to make necessary database changes:

```
cd $REDMINE_ROOT
bundle exec rake redmine:plugins:migrate RAILS_ENV=production
```

5. Create default values

Now some default values are created with:

```
cd $REDMINE_ROOT
bundle exec rake redmine:automation:defaults RAILS_ENV=production
```

6. Application server restart

Finally you need to restart the application server (e.g. [Passenger](#), [unicorn](#) or [puma](#)). For Apache with Passenger under Debian or Ubuntu use the following code:

```
systemctl restart apache2
```

Done! The latest plugin has been successfully installed and is listed under the following URL `/admin/info`.

Go to the Redmine administration area for further plugin configuration in the plugin settings. And check on the user rights in the section "Roles & Permissions".

7. Cronjob setup

It is necessary to set up a cronjob on the server for the automatic execution of the tasks. For this purpose the following rake task must be executed:

```
* /5 * * * * cd $REDMINE_ROOT && RAILS_ENV=production bundle exec rake redmine:automation:jobs # run all async jobs
```

This checks every 5 minutes whether automated tasks are available for execution or not. So the smallest unit is 5 minutes - if a smaller unit is used in the rules, they are still only executed every 5 minutes.

If you want to use different time queries for the rules, repeating issues and repeating workload bookings, you can use the following instead. This is useful, for example, if you want to reduce server load.

```
0 */2 * * * * cd $REDMINE_ROOT && RAILS_ENV=production bundle exec rake redmine:automation:rules # run rules
*/5 * * * * cd $REDMINE_ROOT && RAILS_ENV=production bundle exec rake redmine:automation:repeat_issues # run issue repeats
*/30 * * * * cd $REDMINE_ROOT && RAILS_ENV=production bundle exec rake redmine:automation:repeat_time_entries # run time entry repeats
```

The areas are executed individually, the task `redmine:automation:jobs` must not be executed again! Again for clarification: either `redmine:automation:jobs` OR `redmine:automation:rules`, `redmine:automation:repeat_issues` and `redmine:automation:repeat_time_entries`.