

## Plugin installation / update

Redmine installation procedure is explained at <http://www.redmine.org/projects/redmine/wiki/redmineinstall>.  
To install/update one or more AlphaNodes plugins, run **all** 7 steps (internet access required).

### 1. Backup

Backup of your **database** and all your **Redmine directories**, first!

### 2. Requirement and system preparation

#### 2.1 Requirements

Make sure that the following requirements are fulfilled:

##### 2.1.1 Minimum requirements

- Redmine version  $\geq 6.0$
- Ruby version  $\geq 3.1.x$
- Database
  - MySQL  $\geq 8.0$  *make sure all database tables using the same storage engine (InnoDB is recommended) and character set (utf8mb4 is recommended). You can use our article [Redmine with MySQL](#) to fix it.* Use [MySQL configuration](#) for more information about MySQL configuration.
  - or PostgreSQL  $\geq 14$

##### 2.1.2 System recommendation

- Redmine version: 6.0.5
- Ruby version: 3.2.8
- Database: PostgreSQL 17
- Operating system: Linux 64bit (e.g. Debian)

#### 2.2 System preparation

Delete previous installed AlphaNodes plugin:

```
cd $REDMINE_ROOT/plugins
rm -rf
additional additional_tags redmine_reporting redmine_db redmine_devops redmine_hrm redmine_passwd
ords redmine_wiki_guide redmine_automation redmine_servicedesk
```

Remove all plugins, which are not compatible with the new plugins.  
Learn more about [Plugin compatibility](#) with other plugins in our FAQ.

#### 2.3 Check

- Do all requirements fit and are all system preparations done?
- Start with step 3.

### 3. Plugin/Package installation

Alert

Make sure, that (if you are using more commercial AlphaNodes plugins) they are all available in the *same version*.

#### 3.1 Package installation

All *AlphaNodes Redmine plugins* require to install [additional](#) and [additional\\_tags](#) plugins first. There are available for free at GitHub.

```
cd $REDMINE_ROOT
git clone -b stable https://github.com/alphanodes/additional.git plugins/additional
git clone -b stable https://github.com/alphanodes/additional_tags.git plugins/additional_tags
```

After this, put all your AlphaNodes plugins, you want to install to directory \$REDMINE\_ROOT/plugins and unzip the plugin there.

## 3.2 Check

- Do the plugins exist in the correct directory? \$REDMINE\_ROOT/plugins/PLUGIN\_NAME/init.rb
- Are all plugins installed to: \$REDMINE\_ROOT/plugins
- Proceed with step 4

## 4. Run Bundle

### 4.1 Bundle

Install / update the necessary Ruby (Gem) packages:

```
cd $REDMINE_ROOT
bundle config set --local without 'development test'
bundle update
```

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

### 4.2 Check

- If no error occurred go to step 5.
- Did an error occur? Fix the error, first. Only run next step, if you solved the error.

## 5. Database changes

### 5.1 Run plugin migration

Enter the following code in order to make necessary database changes:

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

### 5.2 Check

- If no error occurred go to step 6.
- Did an error occur? Fix the error, first. Only run next step, if you solved the error.

## 6. Plugin specific tasks

Some plugins need special tasks for installation / update.  
Go through this section one by one.

- If there is a plugin that you have, do the following activities
- If there is a plugin that you do not have, skip the task and proceed with the next

### 6.1 Plugin: redmine\_automation

#### 6.1.1 Create default data (optional)

If you had already installed a previous version, skip this task (or if you do not need the default time intervals - you can create your own, too)

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

#### 6.1.2 Setup cronjob

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 # ru  
n all async jobs
```

Replace `$REDMINE_ROOT` with the path to your Redmine installation.

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.

## 6.2 Plugin: `redmine_db`

Nothing to do for this plugin, go to next step.

## 6.3 Plugin: `redmine_passwords`

If you had already installed a previous version, skip these tasks.

### 6.3.1 Initial settings (optional)

Start the initial settings by using the following code (you can only run it once):

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

### 6.3.2 Encrypt sensitive data (optional)

`redmine_passwords` version 3.0.3 or newer uses Redmine default functionality to encrypt sensitive data. We strongly recommend to run our script [Encrypting-password-fields](#) to encrypt your passwords.

## 6.4 Plugin: `redmine_wiki_guide`

To parse existing wiki pages for link creation, run:

```
cd $REDMINE_ROOT  
bundle exec rake redmine:wiki_guide:parse_links RAILS_ENV=production
```

## 6.5 Plugin: `redmine_devops`

Nothing to do for this plugin, go to next step.

## 6.6 Plugin: `redmine_reporting`

If you had already installed a previous version, skip this task.

In order to make *Redmine Reporting* work with your previous data it is necessary to migrate them.  
The migration preprocesses existing data information and incorporates them into the current analysis.

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

## 6.7 Plugin: `redmine_hrm`

Nothing to do for this plugin, go to next step.

## 6.8 Plugin: `redmine_servicedesk`

Nothing to do for this plugin, go to next step.

## 7. *Restart application server*

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. Check the user permissions (section "Roles & Permissions").

Back to your [Projects](#)

## Tags

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Documentation, Download, Installation