**Install Redmine 5.0.x on Ubuntu 20.04 with Apache2**

**Prerequisites**: This will take on an empty Ubuntu 20.04 VM, this will install Redmine 5.0.1(Latest Stable Vesrion) with Apache2 and local MySQL database.

**Installing dependencies**

# update & upgrade

**sudo apt-get update && sudo apt-get upgrade -y**

# install required packages

**sudo apt install -y apache2 ruby ruby-dev build-essential libapache2-mod-passenger libmysqlclient-dev**

# if you want to install mysql server locally

**sudo apt install -y mysql-server**

**Download & Extract Redmine**

Go grab the latest version from [here](https://www.redmine.org/projects/redmine/wiki/Download). For this example it will be 5.0.1

# download and extract

cd

**wget https://redmine.org/releases/redmine-5.0.1.tar.gz**

cd /opt

sudo tar -xvzf ~/redmine-5.0.1.tar.gz

# symlink to remove version reference

sudo ln -s redmine-5.0.1 redmine

**Configure database**

Create a database and create a user for redmine. Example for localhost installation below:

sudo mysql

mysql>

CREATE DATABASE redminedb\_09Oct2023 CHARACTER SET utf8mb4;

CREATE USER 'redmine16Aug'@'localhost' IDENTIFIED BY 'redmine16Aug';

GRANT ALL PRIVILEGES ON redminedb\_09Oct2023.\* TO 'redmine16Aug'@'localhost';

FLUSH PRIVILEGES;

Example : username: redmine16Aug

password: "redmine16Aug"

**Edit database configuration file**

# copy the example file

cd /opt/redmine

cp config/database.yml.example config/database.yml

# edit config file with your editor of choice (mine is vi)

nano config/database.yml

Replace or update the production: block with your configuration. One example based on the mysql config above.

production:

adapter: mysql2

database: redmine

host: localhost

username: redmine

password: "secretPassword"

# Use "utf8" instead of "utfmb4" for MySQL prior to 5.7.7

encoding: utf8mb4

**Install Ruby dependencies**

in redmine path: # install bundler

**sudo gem install bundler**

# install redmine bundle (give sudo password when prompted)

**bundle install**

**Run Redmine scripts**

# generate secret token

**bundle exec rake generate\_secret\_token**

# migrate database

**RAILS\_ENV=production bundle exec rake db:migrate**

# load default data

**RAILS\_ENV=production bundle exec rake redmine:load\_default\_data**

**Configure Apache**

Create an apache configuration file in /etc/apache2/sites-available (e.g. redmine.conf) with the following content:

<VirtualHost \*:80>

ServerName redmine.example.com

RailsEnv production

DocumentRoot /opt/redmine/public

<Directory "/opt/redmine/public">

Allow from all

Require all granted

</Directory>

ErrorLog ${APACHE\_LOG\_DIR}/redmine\_error.log

CustomLog ${APACHE\_LOG\_DIR}/redmine\_access.log combined

</VirtualHost>

If this is a new standalone installation, it will have created a default apache site. Disable it and enable the redmine config created above.

# disable default apache sites

**sudo a2dissite 000-default.conf**

# enable redmine

**sudo a2ensite redmine.conf**

# reload apache

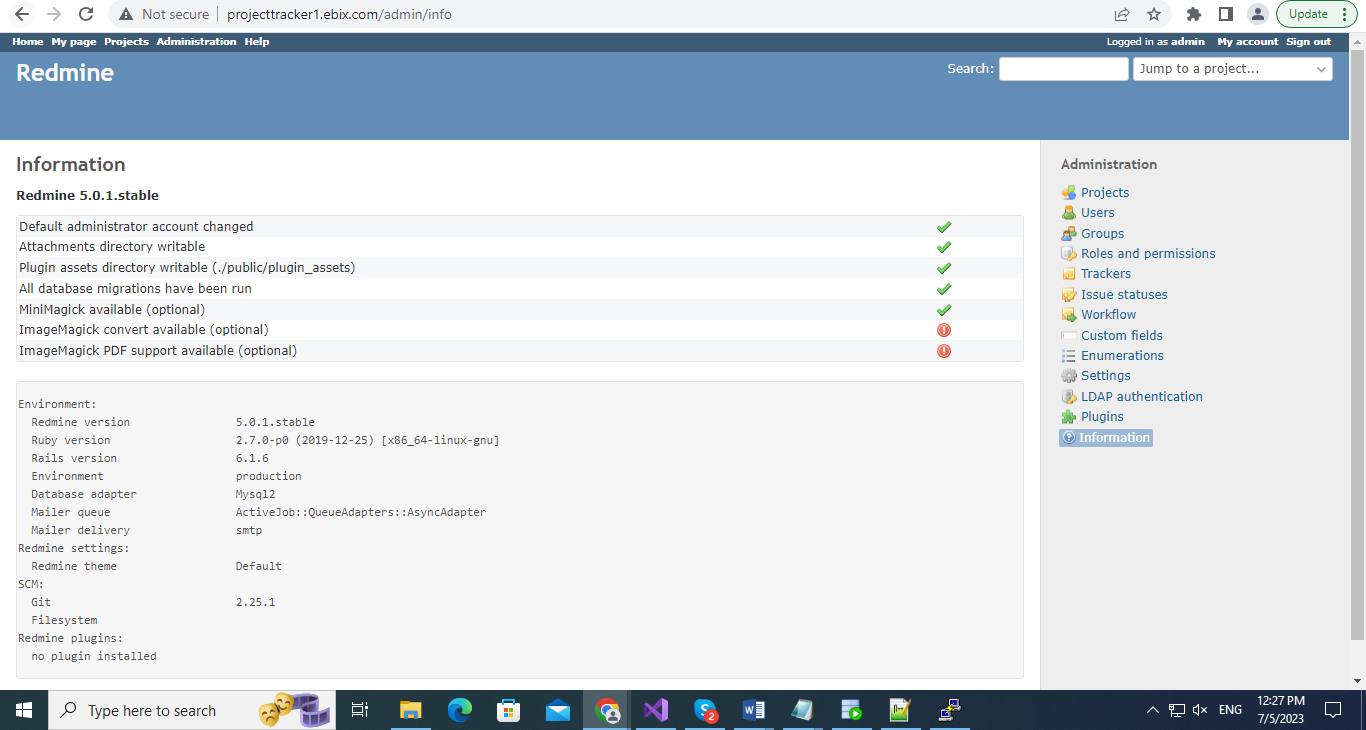
**sudo systemctl reload apache2**

**Test Redmine**

Point your browser to the IP/DNS Name of the server and it should show the default Redmine screen.  
Login with admin/admin

#party

Files (0)



☺ ☺ ☺ ☺ Cheers you are doing well …. ☺ ☺ ☺ ☺

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**Data Base Backup:**

1. bin/mysqldump -u root -p manishg4321 bitnami\_redmineplusagile > /home/jashish/redmine\_DB09102023.sql

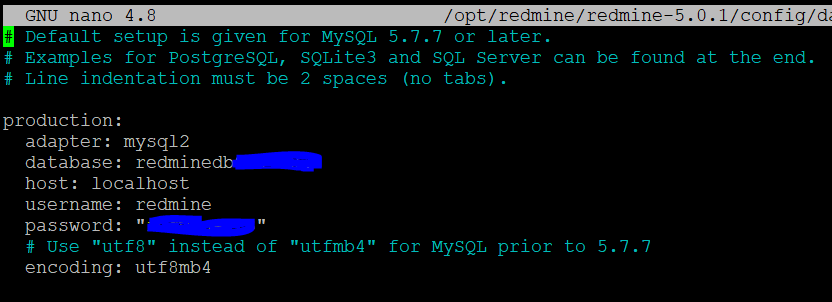
**Restore DB (In New Server)**

1. sudo mysql -u root -p redminedb\_09Oct2023 < /home/surabhi/redmine\_DB09102023.sql

**Data Base Migration Process:**

1. Restore OLD database with new database name.
2. Change Database name in database.yml config file :

Command: **sudo vi /opt/redmine/redmine-5.0.5/config/database.yml**



1. Update the DB from NEW Redmine folder =>

Command: \* **/opt/redmine/redmine-5.0.5** > **sudo** **bundle exec rake db:migrate RAILS\_ENV=production\***

1. If you have plugins that works with new version then update db with:  
   Command**: /opt/redmine/redmine-5.0.5** > **sudo** **bundle exec rake redmine:plugins:migrate RAILS\_ENV=production**
2. Clear cache =>**: /opt/redmine/redmine-5.0.5** > **bundle exec rake tmp:cache:clear RAILS\_ENV=production**

## Welcome to Installation of Plugins

Additionals Plugin Installation for Redmine

* Redmine.org plugin page: <https://www.redmine.org/plugins/additionals>
* Github: <https://github.com/alphanodes/additionals>

Requirements

| **Name** | **requirement** |
| --- | --- |
| Redmine version | >= 5.0 |
| Ruby version | >= 2.7 |
| Database version | MySQL >= 8.0 |

**NOTE:** If you use MySQL, make sure all database tables using the same storage engine (InnoDB is recommended) and character set (utf8mb4 is recommended).

## Installation Process

Install additionals plugin for Redmine.

cd $REDMINE\_ROOT

**git clone -b stable** [**https://github.com/AlphaNodes/additionals.git**](https://github.com/AlphaNodes/additionals.git) **plugins/additionals**

**bundle config set --local without 'development test'**

**bundle install**

**bundle exec rake redmine:plugins:migrate RAILS\_ENV=production**

Restart your application server (apache with passenger, nginx with passenger, unicorn, puma, etc.) and **additionals** is ready to use.

# reload apache

**sudo systemctl reload apache2**

## Update

Update additional plugin.

cd $REDMINE\_ROOT/plugins/additionals

**git pull**

**cd ../..**

**bundle install**

**bundle exec rake redmine:plugins:migrate RAILS\_ENV=production**

Restart your application server (apache with passenger, nginx with passenger, unicorn, puma, etc.) and additionals is ready to use.

## Uninstall

Uninstall additionals plugin.

cd $REDMINE\_ROOT

**bundle exec rake redmine:plugins:migrate NAME=additionals VERSION=0 RAILS\_ENV=production**

**rm -rf plugins/additionals public/plugin\_assets/additionals**

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## Steps to Install Plugins in Our Case

Go to Redmine's root folder

> **cd /opt/redmine/redmine-5.0.1**

Copy and unarchive plugin

> **sudo cp /home/surabhi/plugins/redmine\_sla-main.zip plugins/**

> **cd plugins**

> **sudo** **unzip redmine\_crm\_mailchimp-1\_0\_4.zip**

Install required gems

> **cd /opt/redmine/redmine-5.0.1**

> **sudo bundle install --without development test --no-deployment**

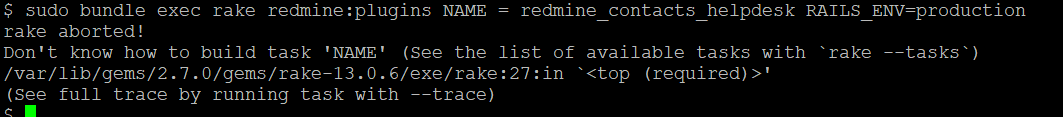
Migrate plugin's tables

> **sudo bundle exec rake redmine:plugins NAME = redmine\_crm\_mailchimp RAILS\_ENV=production**

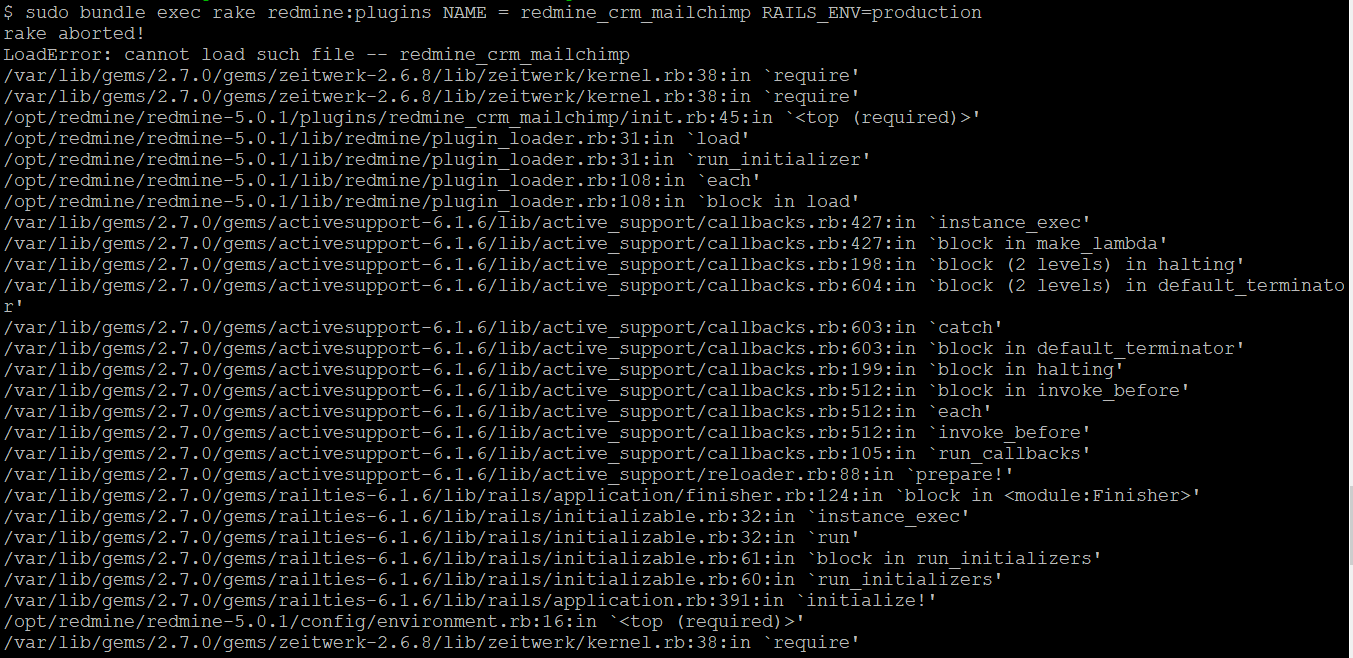
Restart Redmine app > **sudo systemctl reload apache2**

## Error during Installation:

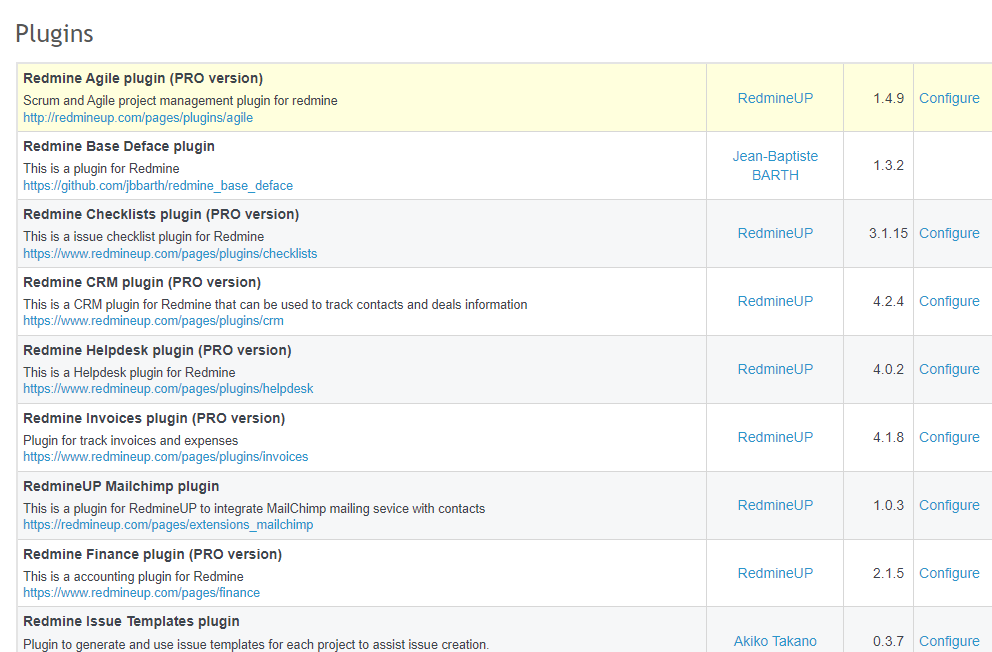
Below issue or information came, all most all plugin’s installation time:

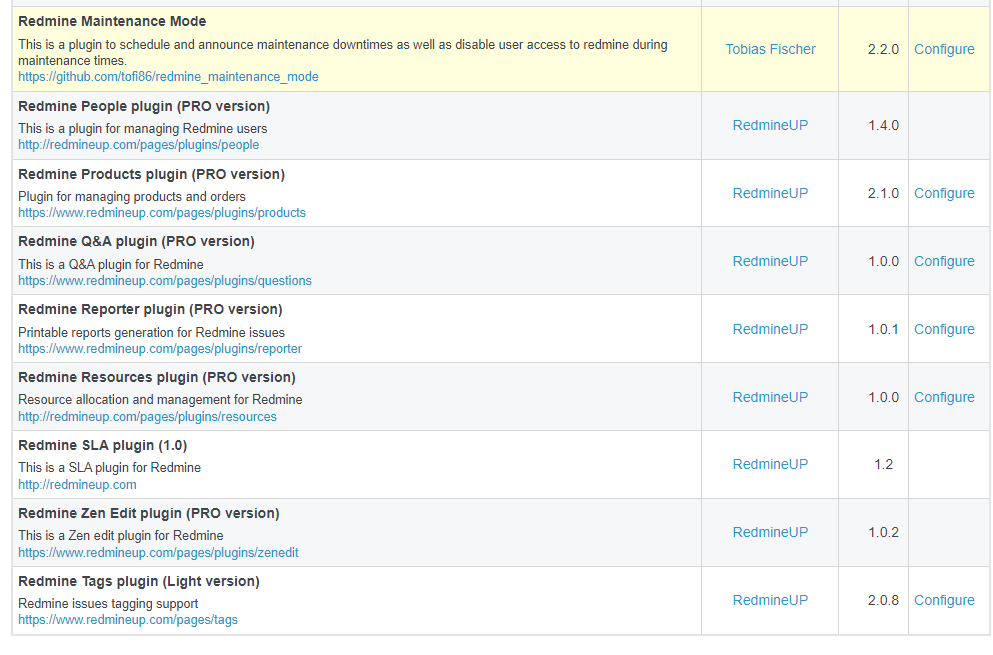


While Installation of **redmine\_crm\_mailchimp** plugin got below error



## Plugins in Old (Current) Redmine

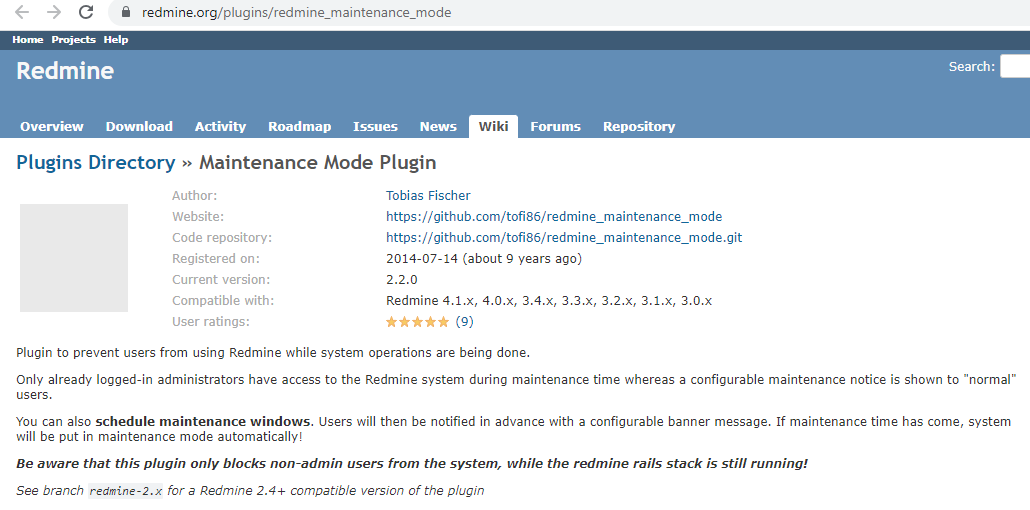


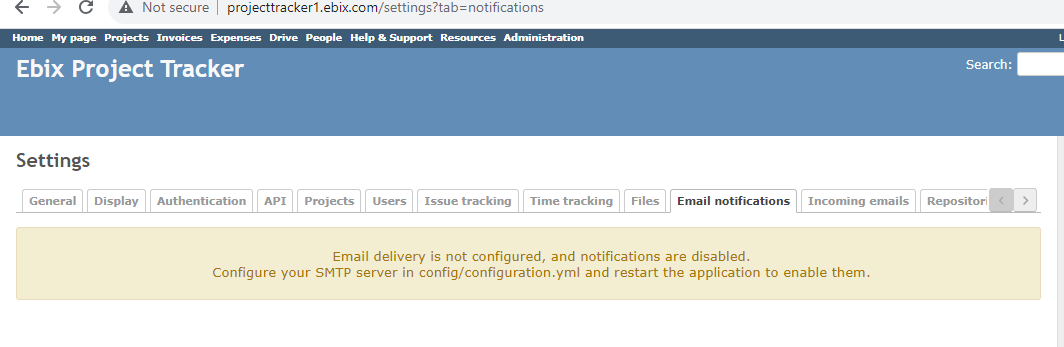


## Redmine Issue Templates plugin (It does not support latest version (5.0+) of Redmine)



## Redmine Maintenance Mode (It does not support latest version (5.0+) of Redmine)





## Production :

* ls /opt/redmineplusagile/apps/redmineplusagile/htdocs/plugins –l
* ls /opt/redmineplusagile/apps/redmineplusagile/htdocs/public/themes –l Themes Location
* ls /opt/redmineplusagile/apps/redmineplusagile/htdocs/files/ –l files location
* /opt/redmineplusagile/apps/redmineplusagile/htdocs/config/configuration.yml Configuration file path
* ls /opt/redmineplusagile/apps/redmineplusagile/htdocs/log Log file Location
* ls /opt/redmineplusagile/mysql –l mysql location

Syntax for providing Permission:

* sudo chmod 777 redmine-5.0.5/log/production.log

Attachments :

<http://projecttracker1.ebix.com/issues/27132>

<http://projecttracker1.ebix.com/attachments/40307>

Docx:

<http://projecttracker1.ebix.com/issues/27088>

Size of Files folder in Production Server

## Clean the cache and the sessions:

[admin@localhost htdocs]$ sudo /opt/redmineplusagile/ruby/bin/ruby bin/rake tmp:cache:clear

[admin@localhost htdocs]$ /opt/redmineplusagile/ruby/bin/ruby bin/rake tmp:sessions:clear – Not working Commond – System Refusing

## Restart the servers:

sudo /opt/redmineplusagile/ctlscript.sh start apache