

# Ubuntu 20.04?Redmine4.2(???Redmine5.0) ????????

## ??????????

1. Redmine????????????????????????????
2. Redmine?????????????(Ruby/??????/Web??????)???????????
3. ???????Web??????????????????
4. Redmine????????????

## ??????????

- ?Redmine??Ubuntu??????????????
- ???????????????????????

## ??

- Ubuntu????????????????????????????
- DNS????????????????????????????
- ?????????????
  - Apache?
  - MySQL
  - Ruby 2.7
- ?????????????aptitude?????????apt????????????????????????

## ????

- ?????Redmine 4.2 / Redmine 5.0????????????????
- ?Redmine??4.2????????
  - 5.x????????????????????4.2????????????(2023?1???)????????????????
  - ???Ubuntu22.04????????Redmine??????5.x????????????????Ubuntu?20.04????????
- ???redmine?????????/home/www-data/redmine????????????(/var/lib/redmine)????????????????
- ???Ubuntu22.04???Ruby????????????4.2????????????

## ??

## ????????????????????

- ?????????????

```
sudo aptitude update
```

- ????????????

```
sudo aptitude install build-essential zlib1g-dev libssl-dev libreadline-dev libyaml-dev libcurl4-openssl-dev libffi-  
dev mysql-server mysql-client apache2 apache2-dev libapr1-dev libaprutil1-dev imagemagick libmagick++-dev  
fonts-takao-pgothic subversion git ruby libruby ruby-dev libmysqlclient-dev
```

## apache????????????????

```
sudo aptitude install libapache2-mod-passenger
```

## ruby???????(gem)????????????????

```
sudo gem install bundler racc mysql2
```

?3 gems installed????????????????

## ??????mysql????????????

mysql\_secure\_installation????????????

????????????????????

<https://barrel.reisalin.com/books/bbf94/page/mysql-secure-installation>

## mysql?DB????????????

```
sudo mysql -u root -p
```

???????mysql?root????????mysql??????

```
CREATE DATABASE redmine character set utf8mb4;
```

DB "redmine" ??????

```
CREATE USER 'redmine'@'localhost' IDENTIFIED BY 'password';
```

??? "redmine"????????????????

??'password'????????????????

```
GRANT ALL ON redmine.* TO 'redmine'@'localhost';
```

```
flush privileges;
```

```
exit
```

## Redmine??????????

- ?????????

```
sudo mkdir -p /home/www-data/redmine
```

????????????

- ?????

```
sudo chown -R www-data:www-data /home/www-data
```

- Redmine 4.2???

```
sudo -u www-data svn co https://svn.redmine.org/redmine/branches/4.2-stable /home/www-data/redmine
```

- ???\* Redmine 5.0???

```
sudo -u www-data svn co https://svn.redmine.org/redmine/branches/5.0-stable /home/www-data/redmine
```

## Redmine????????????

- ?????????????????????

```
sudo cp -pi /home/www-data/redmine/config/database.yml.example /home/www-  
data/redmine/config/database.yml
```

```
/home/www-data/redmine/config/database.yml
```

????????????????????????????

## database.yml ????

```
production:  
  adapter: mysql2  
  database: redmine  
  host: localhost  
  username: redmine  
  # root[]redmine[]  
  password: "redmine[]"  
  encoding: utf8mb4
```

```
# $(production)$(
```

## Redmine????????????

- Redmine????????????

```
cd /home/www-data/redmine/ && pwd
```

```
/home/www-data/redmine/ (Redmine????????????)????????????
```

- bundle install

```
sudo -u www-data bundle install --without development test --path vendor/bundle
```

- ?????????????

```
sudo -u www-data bundle exec rake generate_secret_token
```

- DB????????

```
sudo -u www-data RAILS_ENV=production bundle exec rake db:migrate
```

- ???

```
sudo -u www-data RAILS_ENV=production REDMINE_LANG=ja bundle exec rake redmine:load_default_data
```

## Apache????????????

????????Redmine????/????????????

```
cat <<- __EOF__ | sudo tee -a /etc/apache2/sites-available/redmine.conf
<VirtualHost *:80>
  ServerName hoge.example.com
  # ServerName$(redmine$(
  DocumentRoot /home/www-data/redmine/public
  <Directory /home/www-data/redmine/public>
    Options -MultiViews
    AllowOverride All
    Require all granted
  </Directory>
</VirtualHost>
__EOF__
```

????????

- ???????

```
ls -l /etc/apache2/sites-available/redmine.conf
```

- ????????

```
sudo a2ensite redmine.conf
```

- ??????????

```
sudo a2dissite 000-default.conf
```

```
sudo a2dissite default-ssl.conf
```

- ?????????????

```
sudo apache2ctl configtest
```

Syntax OK ?????

- ??????apache??????

```
systemctl status apache2.service
```

active(running)?????

- apache??

```
sudo systemctl restart apache2.service
```

- ??????apache??????

```
systemctl status apache2.service
```

active(running)?????

# Web????????????

http://???Redmine???

?Redmine????????????????

???admin/admin????????????????

Revision #5

Created 1 April 2024 10:47:32 by manualmaton

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