

Ubuntu

20.04/22.04/24.04?Redmine5.1????

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- Ubuntu 20.04
- Ubuntu 22.04
- Ubuntu 24.04

????????????????Ubuntu 20.04????????????????????????

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

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

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- Ubuntu????????????????
- DNS????????????
- ?????????
 - Apache?
 - MySQL
 - Ruby
 - 2.7 (Ubuntu 20.04)
 - 3.0 (Ubuntu 22.04)
 - 3.2 (Ubuntu 24.04)
- ??????????aptitude?????apt????????????

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- ?????Redmine 5.1????????
- ?????????Ubuntu22.04????????????
- ???redmine?????/home/www-data/redmine?????(/var/lib/redmine)????????

- ???
- ???

??

Apache????????????

```
sudo add-apt-repository ppa:ondrej/apache2
```

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

- ?????????

```
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
```

apache????????

```
apache2ctl -v
```

Apache/2.4.59 ??????????????2.4.58??http/2????????????????????????????????

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
```

????DB?????????????????

```
mysql -u redmine -p
```

```
SHOW DATABASES;
```

```
exit
```

- ?????????

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

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

- ?????

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

- Redmine 5.1???

```
sudo -u www-data svn co https://svn.redmine.org/redmine/branches/5.1-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
```

- ?????????????(Ubuntu 20.04???)

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

??????



Could not find date-3.3.4, timeout-0.4.1 in any of the sources
Run `bundle install` to install missing gems.

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

```
sudo -u www-data bundle update date
```

??????

```
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__
```

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- ?????

```
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????????????????????