

# MySQL

- [mysql\\_secure\\_installation?????](#)
- [????????????DB???????????](#)

# mysql\_secure\_installation?????

??

5.????????????????mysql\_secure\_installation????????????

- root????????
- ??????root????????
- ?????????
- test????????test????????

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

??????

- Ubuntu 20.04 LTS
- MySQL 8.0.32

mysql???

- ?????????

```
sudo cp -pi /etc/mysql/mysql.conf.d/mysqld.cnf /path/to/backup/directory/mysqld.cnf.$(date +%Y%m%d)
```

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

- ???????

```
diff -u /etc/mysql/mysql.conf.d/mysqld.cnf /etc/old/mysqld.cnf.$(date +%Y%m%d)
```

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

- ??????

```
echo -e "default_authentication_plugin=mysql_native_password" | sudo tee -a /etc/mysql/mysql.conf.d/mysqld.cnf
```

????????????mysqld.cnf??????

????????

- ????

```
diff -u /path/to/backup/directory/mysqld.cnf.$(date +%Y%m%d) /etc/mysql/mysql.conf.d/mysqld.cnf
```

- ????

```
+default_authentication_plugin=mysql_native_password
```

????

```
sudo systemctl restart mysql.service
```

## mysql root???????

```
sudo mysql
```

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

```
ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'password';
```

"?password????????????

```
flush privileges;
```

```
exit
```

## mysql\_secure\_installation

```
sudo mysql_secure_installation
```

????

Enter password for user root:

#

VALIDATE PASSWORD COMPONENT can be used to test passwords  
and improve security. It checks the strength of password  
and allows the users to set only those passwords which are  
secure enough. Would you like to setup VALIDATE PASSWORD component?

Press y|Y for Yes, any other key for No:

☐ Y ☐ Enter

There are three levels of password validation policy:

LOW Length >= 8

MEDIUM Length >= 8, numeric, mixed case, and special characters

STRONG Length >= 8, numeric, mixed case, special characters and dictionary

file

Please enter 0 = LOW, 1 = MEDIUM and 2 = STRONG:

# 0/1/2

Estimated strength of the password: 50

Change the password for root ? ((Press y|Y for Yes, any other key for No) :

# n

By default, a MySQL installation has an anonymous user, allowing anyone to log into MySQL without having to have a user account created for them. This is intended only for testing, and to make the installation go a bit smoother. You should remove them before moving into a production environment.

Remove anonymous users? (Press y|Y for Yes, any other key for No) :

# anonymousY

Normally, root should only be allowed to connect from 'localhost'. This ensures that someone cannot guess at the root password from the network.

Disallow root login remotely? (Press y|Y for Yes, any other key for No) :

# rootY

Remove test database and access to it? (Press y|Y for Yes, any other key for No) :

# DBY

Reload privilege tables now? (Press y|Y for Yes, any other key for No) :

# y

??MySQL??????????

# ????????????DB????????????

??

????????MySQL????????TIPS??

## ????????

- 1. ?????????
- 2. ?????????
- 3. ?????????????????????

## ????????

- ?????

```
sudo mkdir -p /home/hoge/db_password
```

????????

```
cd /home/hoge/db_password && pwd
```

????????

- ?????

????????????????(????????)

- ?????
  - ????:account.txt

```
[client]
user = [Redmine]DB[ ]
password = "[Redmine]DB[ ]"
```

password ?""????

- ?????????

```
chmod 400 account.txt
```

```
ls -l account.txt
```

????400????

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

```
mysql --defaults-extra-file=/path/to/directory/account.txt
```

--defaults-extra-file=

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

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

```
SHOW DATABASES;
```

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

```
EXIT
```

MySQL??????

# SQL Dump??

- SQL Dump

```
mysqldump --defaults-extra-file=/path/to/directory/account.txt --no-tablespaces -h [DB] [DB] > backup.sql
```

- --no-tablespaces ?PROCESS????????????????
- ?????????????????????
- ??????

```
ls -l backup.sql
```

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