

# MySQL????????????????????

## ??

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

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

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- ?????DB????????????????????
- ?????????????????????????
- cron????????????????????

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- Ubuntu 24.04
- MySQL 8.0.39

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???????? db\_account.txt ?????DB????????????????

```
[client]
user = db_user
password = "password"
```

- ?????400????(chmod 400 db\_account.txt )
- ?????????

????DB???

1. ?????
2. ?????

????????????????(wasabi)????

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- ?????????(?)
  - mysql\_db\_backup.sh

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```
#!/bin/bash
```

##       ##

# \$HOME[ ][ ][ ][ ][ ][ ][ ][ ]

```
HOME_DIR="/home/hoge"
```

# SQL[ ]( ) [ ]

```
backup_dir="/path/to/backup/directory"
```

[illegible]

```
keep_days=7
```

# [ ]/[ ]/[ ]

```
current_date=$(date +%Y%m%d)
```

```
backup_name="backup_mysql_${current_date}"
```

```
zip_file="backup_mysql.${current_date}.zip"
```

[illegible]

```
credentials_file="${HOME_DIR}/script/config/db_account/db_account.txt"
```

[illegible]

```
password_dir="$HOME_DIR/dbrestore_password"
```

```
password_file="${password_dir}/db-restore.${current_date}.txt"
```

```
# redmine
```

database\_name=database

[illegible]

```
options="--defaults-extra-file=$credentials_file --no-tablespaces --single-transaction"
```

[illegible]

```
backup_file_pattern="backup_mysql.*.zip"
```

[illegible]

```
password_file_pattern="*restore*.txt"
```

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 ##

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 ##

```

# 1. [redacted]400[redacted]
# 400[redacted]
permissions=$(stat -c "%a" "$credentials_file")
if [ "$permissions" != "400" ]; then
echo "[redacted]400[redacted]"
exit 1
fi

# 2. [redacted]
mkdir "${backup_dir}/${backup_name}"

# 3. mysqldump [redacted]
mysqldump $options -h localhost $database_name > "${backup_dir}/${backup_name}/${backup_name}.sql"

# 4. [redacted]
password=$(openssl rand -base64 12)
cd "${backup_dir}/${backup_name}"
zip -r "${backup_dir}/${zip_file}" -P "$password" .
cd -

# 5. [redacted]
rm -rf "${backup_dir}/${backup_name}"

# 6. [redacted]
echo $password > $password_file

# 7. [redacted]600[redacted]
chmod 600 $password_file

# 8. [redacted]
find "$backup_dir" -name "$backup_file_pattern" ! -type f -newermt "${keep_days} days ago" -delete
find "$password_dir" -name "$password_file_pattern" ! -type f -newermt "${keep_days} days ago" -delete

## [redacted] ##

```

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```
chmod +x mysql_db_backup.sh
```

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```
./mysql_db_backup.sh
```

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- 1. ?????????????????mysql\_dump????????????
- 2. ?????????????????zip????????
- 3. ?????????????????????????????????????
- 4. ?????????????????????????????????????

??????DB??

```
unzip backup_mysql.yyyymmdd.zip
```

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```
db-restore.yyyymmdd.txt ????????????????
```

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```
unzip -P $(cat /path/to/password_file.txt) /path/to/zip_file.zip -d /path/to/output_directory
```

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

cron??

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```
crontab -e -u hoge
```

?cron??????

```
0 2 * * * /home/hoge/script/directory/mysql_db_backup.sh
```

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